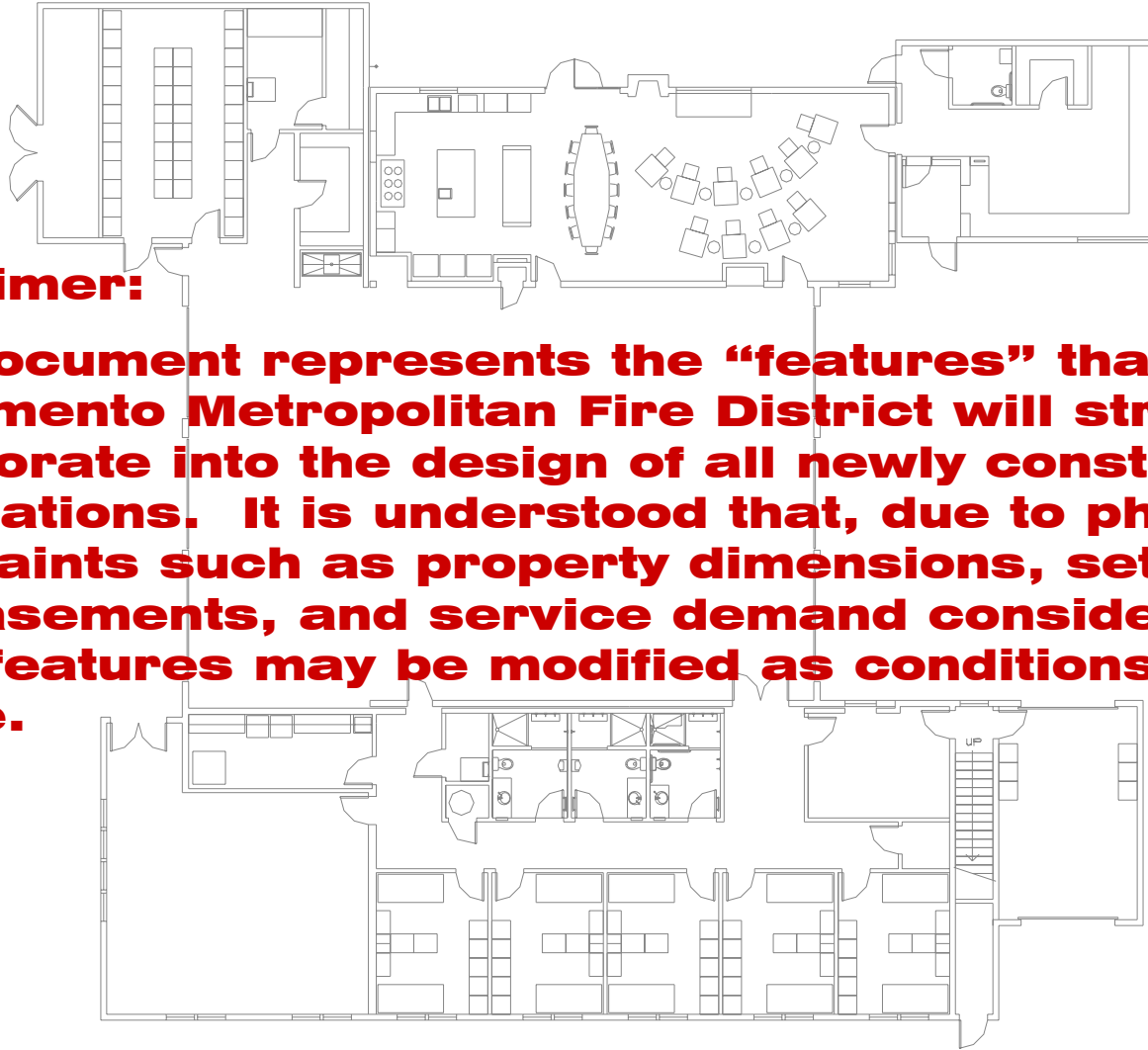


Sacramento Metropolitan Fire District



Facilities Design Criteria



Disclaimer:

This Document represents the “features” that the Sacramento Metropolitan Fire District will strive to incorporate into the design of all newly constructed Fire Stations. It is understood that, due to physical constraints such as property dimensions, setbacks, and easements, and service demand considerations, some features may be modified as conditions dictate.



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Sacramento Metropolitan Fire District
Facilities Design Criteria



APPLICABLE REGULATIONS, CODES, AND STATUTES

Fire Station Design for the Sacramento Metropolitan Fire District shall be in full compliance with the following Regulations, Codes, and Statutes:

STATE OF CALIFORNIA ESSENTIAL SERVICES BUILDING ACT

Section 16000 - 16023 Health & Safety Code

STATE OF CALIFORNIA BUILDING CODE (CBC)

Latest Edition

STATE OF CALIFORNIA BUILDING CODE TITLE 24, PART 2

California Administrative Code: Barrier Free Access for the Handicapped

STATE OF CALIFORNIA BUILDING CODE TITLE 24, PARTS 1-5

California Administrative Code: Energy Regulations

UNIFORM MECHANICAL CODE (UMC)

Latest Edition

UNIFORM PLUMBING CODE (UPC)

Latest Edition

UNIFORM FIRE CODE (UFC)

Latest Edition

NATIONAL ELECTRIC CODE (NEC)

Latest Edition

AMERICANS WITH DISABILITIES ACT (ADA)

NFPA PAMPHLET 13 AUTOMATIC FIRE SPRINKLER SYSTEMS

LOCAL JURISDICTION CODES AND REGULATIONS

SACRAMENTO METROPOLITAN FIRE DISTRICT

Fire Prevention Bureau



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Sacramento Metropolitan Fire District
Facilities Design Criteria



The Sacramento Metropolitan Fire District boundaries encompasses a vast area of physical responsibility and response requirements. As a result, there is the need for four different prototype Station sizes, with varying requirements.

These Guidelines provide general direction for the following criteria:

4-13 STATION

4 Bay – 13 Person Station

3-10 STATION

3 Bay – 10 Person Station

2-8 STATION

2 Bay – 8 Person Station

2-6 STATION

2 Bay – 6 Person Station

TYPE OF CONSTRUCTION

- Occupancy Type: B Fire Station
- Type of Construction: V-No Hour, with Automatic Fire Sprinkler System
- Allowable Building Area: 8,000 SF with Area Increase for Automatic Fire Sprinkler System (3x)
- Total Allowable Building Area: 24,000 SF
- One-Story construction preferable, Concrete Slab-On-Grade
- NFPA Pamphlet 13 Automatic Fire Sprinkler System with Schedule 40 Piping, Viking F-1 200F Heads, and a Class 1 Fire Alarm with a general specification for wiring conduit.



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Sacramento Metropolitan Fire District
Facilities Design Criteria



Sacramento Metropolitan Fire District Fleet Information

Engine:

Height 10' 4"
Length 30' 3"
Width 10' 3"
A/D 13 degrees

Truck:

Height 11' 8"
Length 59' 6"
Width 10' 3"
A/D 12 degrees

Rescue:

Height 10' 6"
Length 37' 0"
Width 10' 6"
A/D 17 degrees

Grass:

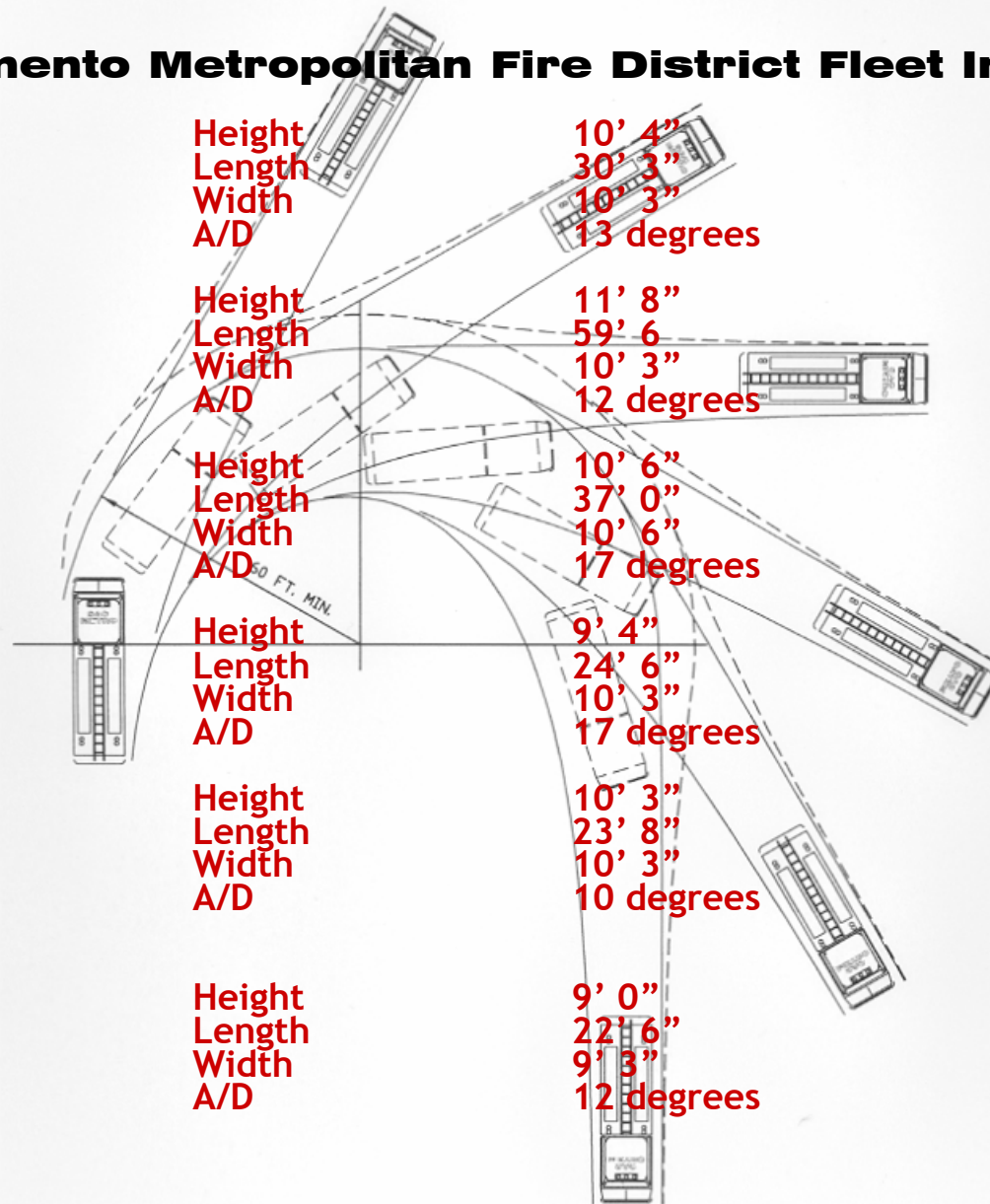
Height 9' 4"
Length 24' 6"
Width 10' 3"
A/D 17 degrees

Air Unit:

Height 10' 3"
Length 23' 8"
Width 10' 3"
A/D 10 degrees

Medic:

Height 9' 0"
Length 22' 6"
Width 9' 3"
A/D 12 degrees



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Sacramento Metropolitan Fire District
Facilities Design Criteria



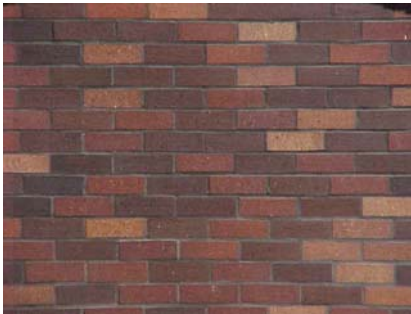
EXTERIOR MATERIALS

Color Schemes to blend in with surrounding Community.



ROOFING

Metal Tile or Metal Shake at sloped roofs.
Three-Ply plus Cap Sheet Built-Up Roofing
at flat roofs



EXTERIOR WALLS

Clay Masonry or Thin Brick Veneer



EXTERIOR WALLS

Concrete Masonry Units; Texture Finish
Three-Coat Cement Plaster; Paint Finish



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Sacramento Metropolitan Fire District
Facilities Design Criteria



EXTERIOR MATERIALS



LIGHTING

Combination of Pole Lights, Station-Mounted Lights and Bollard Lights to achieve a minimum 1 Footcandle Level at Paths of Travel; 1/2 Footcandle elsewhere.



FUELING TANK

Above-Ground installation; 500 gallon Diesel and/or 500 gallon Unleaded as determined by District based on Station size and conditions.



EMERGENCY GENERATOR

Permanent installation, diesel-fueled, and sized to accommodate auxillary power for the entire Station, or partial power, as determined by District. Self-contained fuel tank sized for 72 hour operation.



LANDSCAPING

Low-Maintenance, Drought-Resistant, with Automatic Irrigation System

PAVING

Porland Cement Concrete at Apparatus Aprons and Driveways; AC Paving elsewhere. Traffic Index as determined by site-specific Geotechnical Reports.



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Sacramento Metropolitan Fire District
Facilities Design Criteria



INTERIOR MATERIALS

CEILINGS



Suspended Ceilings: Class 1, 2x4 Lay-In, NRC 0.5-0.6
Drywall: Paint Finish; Scrubbable at Kitchen, Bathrooms, Laundry Rooms.

WALLS



Vinyl Wallcovering: Type II, 21 oz/lin yd
Drywall: Paint Finish
Ceramic Tile: Bathrooms

FLOORS



Carpet: 32 oz/sy, textured loop pattern in Living and Office Areas
Ceramic Tile: 2x2 Ceramic Mosaic in Bathrooms/Laundry Room
12x12 Porcelain Paver in Living Areas
VCT: 12x12x 1/8" Vinyl in Utility Areas

MISCELLANEOUS



Door Hardware: Commercial-Grade; Schlage Commercial Locksets with Lever; master-key to District requirements
Doors and Frames: Solid Core Interior/Hollow Metal Exterior; One-Piece Pressed Metal Frames
Windows: Energy-Efficient, Low-Emissivity, Tinted Insulated Glass
Horizontal and Vertical Blinds
Light Fixtures: Energy-Efficient; Fluorescent
Insulation: R-30 Ceilings / R-19 Walls



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Sacramento Metropolitan Fire District
Facilities Design Criteria



Schematic Building Area Matrix

	4:13			3:10			2: 8			2: 6		
ROOM	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL
APPARATUS ROOM	1	6,443.00	6,443.00	1	5,003.00	5,003.00	1	3,840.00	3,840.00	1	2,640.00	2,640.00
TURNOUT ROOM	1	416.00	416.00	1	352.00	352.00	1	260.00	260.00	1	200.00	200.00
DAYROOM	1	864.00	864.00	1	620.00	620.00	1	532.00	532.00	1	448.00	448.00
KITCHEN	1	371.00	371.00	1	322.00	322.00	1	293.00	293.00	1	230.00	230.00
DINING	1	234.00	234.00	1	234.00	234.00	1	234.00	234.00	1	204.00	204.00
WORKOUT ROOM	1	672.00	672.00	1	616.00	616.00	1	484.00	484.00	1	451.00	451.00
BC QUARTERS	1	374.00	374.00	1	374.00	374.00	0	374.00	0.00	0	374.00	0.00
CAPT QUARTERS	2	223.00	446.00	1	223.00	223.00	0	223.00	0.00	0	223.00	0.00
CAPT QUARTERS (2)	0	362.00	0.00	0	362.00	0.00	1	362.00	362.00	1	362.00	362.00
DORMITORY	5	188.00	940.00	4	188.00	752.00	3	188.00	564.00	2	188.00	376.00
STAFF BATHROOM	3	99.00	297.00	2	99.00	198.00	2	99.00	198.00	1	99.00	99.00
LAUNDRY ROOM	1	100.00	100.00	1	100.00	100.00	1	100.00	100.00	1	100.00	100.00
PUBLIC RECEPTION	1	120.00	120.00	1	120.00	120.00	1	48.00	48.00	1	48.00	48.00
BC OFFICE	1	150.00	150.00	1	150.00	150.00	0	150.00	0.00	0	150.00	0.00
CAPT OFFICE	1	143.00	143.00	1	143.00	143.00	1	143.00	143.00	1	143.00	143.00
COMMUNITY ROOM	1	480.00	480.00	1	480.00	480.00	0	480.00	0.00	0	480.00	0.00
CONFERENCE ROOM	0	192.00	0.00	0	192.00	0.00	1	192.00	192.00	0	192.00	0.00
PUBLIC RESTROOM	2	47.00	94.00	2	47.00	94.00	2	47.00	94.00	2	47.00	94.00
EQUIPMENT ROOM	1	144.00	144.00	1	144.00	144.00	1	144.00	144.00	1	144.00	144.00
SUB-TOTAL			12,288.00			9,925.00			7,488.00			5,539.00
MISCELLANEOUS	15%		1,843.20	15%		1,488.75	10%		748.80	10%		553.90
SUB-TOTAL			14,131.20			11,413.75			8,236.80			6,092.90
CIRCULATION	15%		2,119.68	15%		1,712.06	10%		823.68	10%		609.29
FIRE STATION TOTAL			16,250.88			13,125.81			9,060.48			6,702.19
UTILITIES/STOR BLDG	1	512.00	512.00	1	512.00	512.00	1	512.00	512.00	1	512.00	512.00
GRAND TOTAL			16,762.88			13,637.81			9,572.48			7,214.19



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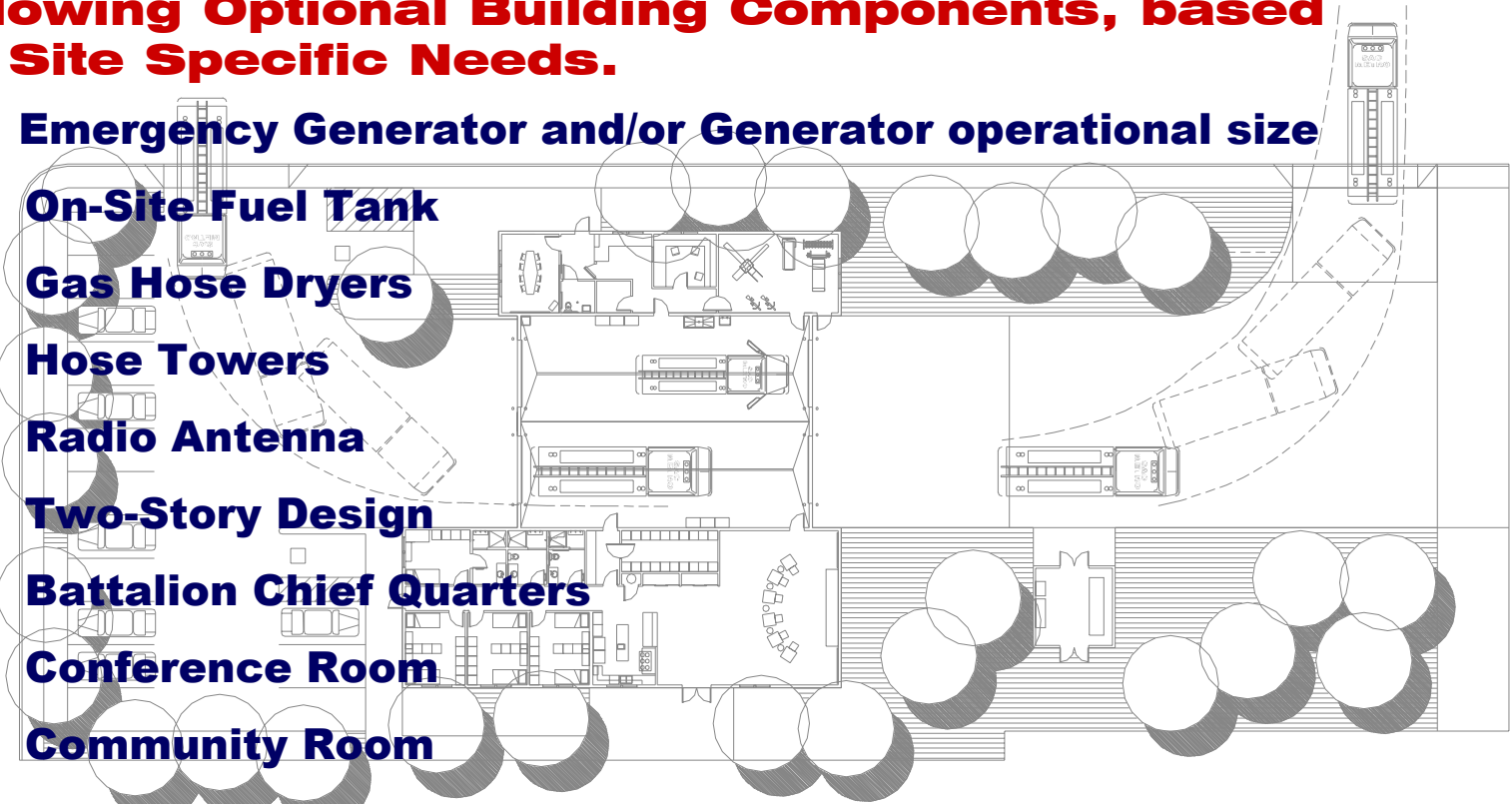
Sacramento Metropolitan Fire District
Facilities Design Criteria



Optional Building Components

Site Restrictions, Special Requirements, and Accessibility will dictate the need for specific facilities and sites to take into consideration the following Optional Building Components, based on Site Specific Needs.

- **Emergency Generator and/or Generator operational size**
- **On-Site Fuel Tank**
- **Gas Hose Dryers**
- **Hose Towers**
- **Radio Antenna**
- **Two-Story Design**
- **Battalion Chief Quarters**
- **Conference Room**
- **Community Room**
- **Commercial Stoves and Type-1 Hoods**



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Facilities Design Criteria





4:13
BAY : CREW



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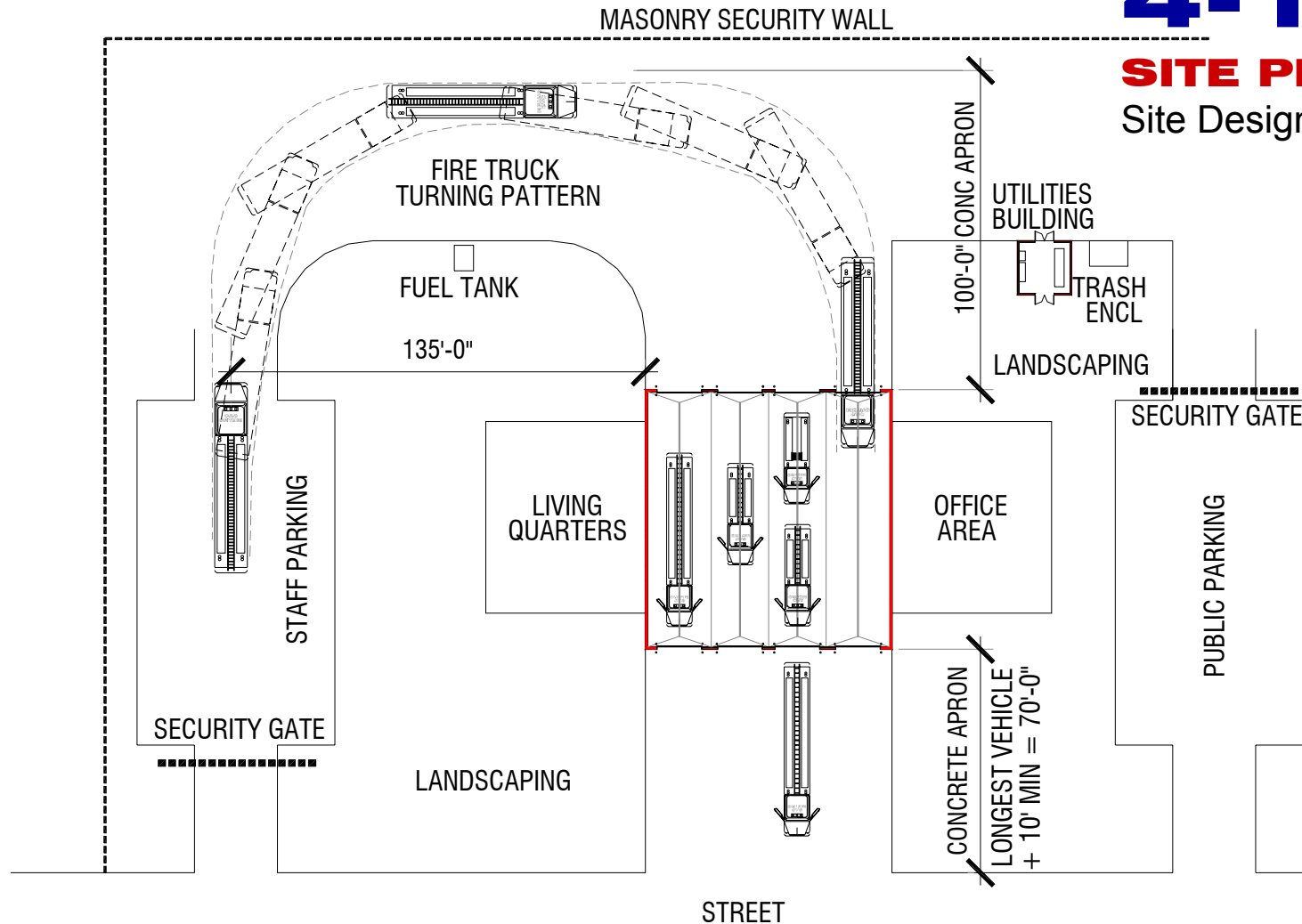
Sacramento Metropolitan Fire District
Facilities Design Criteria



4-13

SITE PLANNING

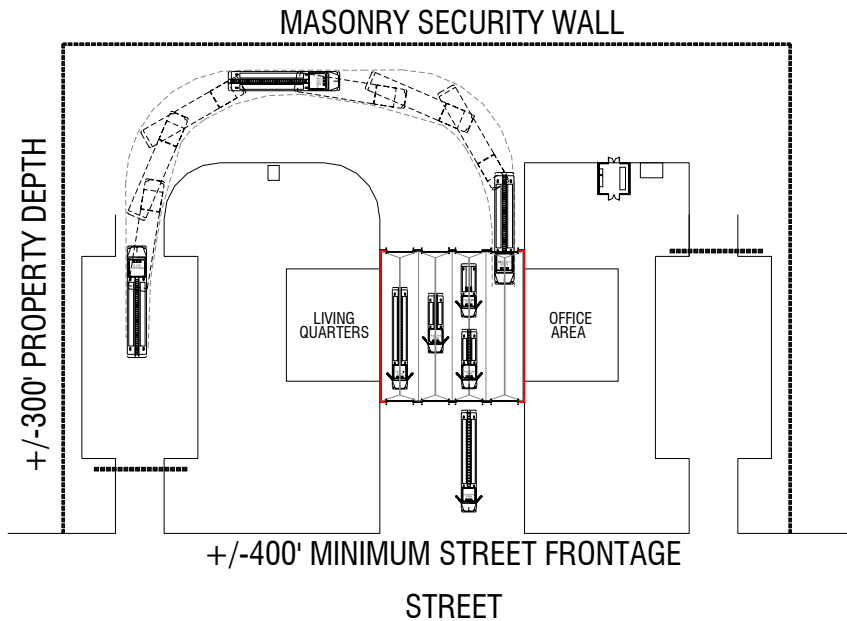
Site Design Guidelines



4-13

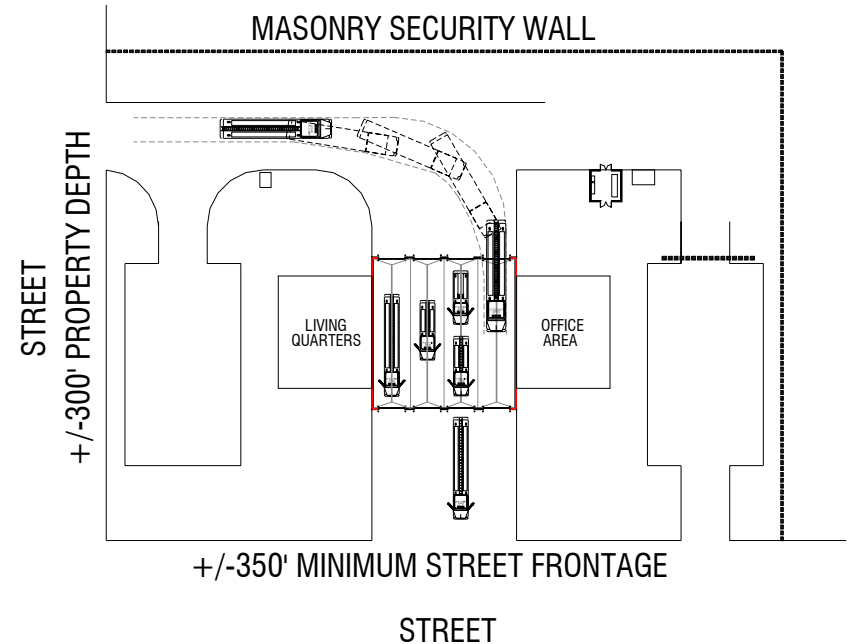
SITE PLANNING

Site Design Guidelines



INFILL SITE

+/-3 Acres min



CORNER SITE

+/-2.5 Acres min

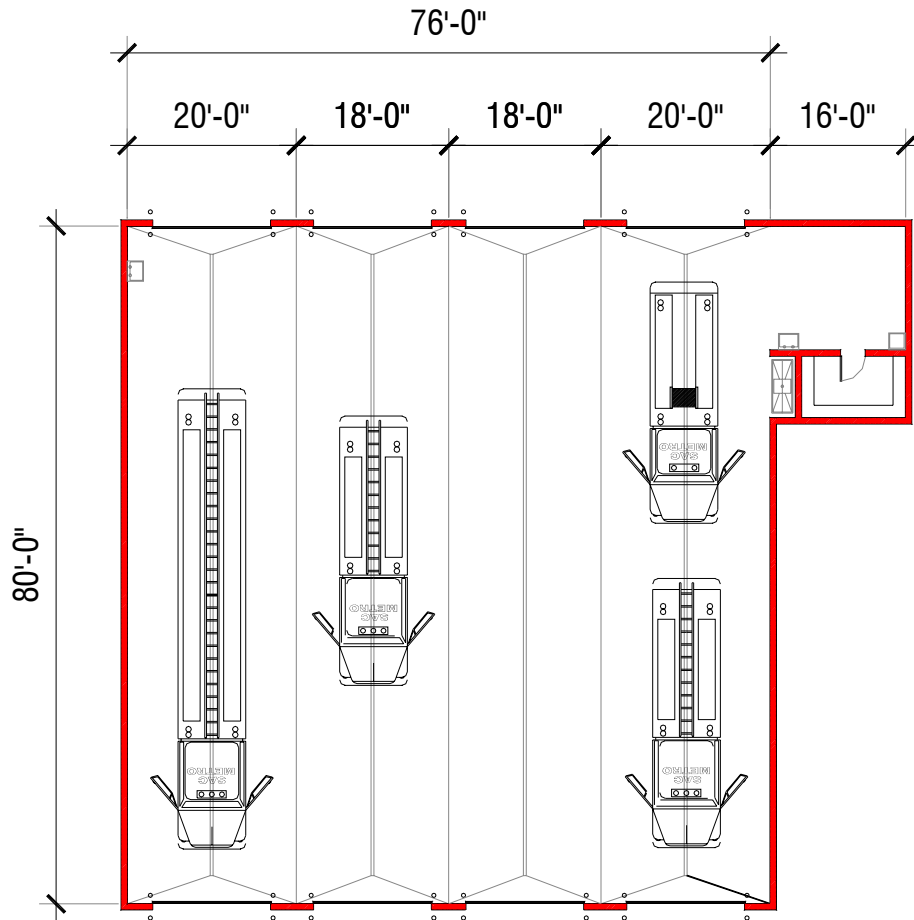


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Sacramento Metropolitan Fire District
Facilities Design Criteria



4-13 APPARATUS ROOM



1. Drive-Through arrangement; North-South orientation preferred.
2. 4-Bay, double deep configuration, minimum 17' clear hgt.
3. Mechanical Exhaust Evacuation System for Vehicles.
4. 14' x 14' Motorized Overhead Doors each end each Bay, Keypad and Remote Exterior operation, with one bank of Vision Glass.
5. Continuous Trench Drains each Bay.
6. Sealed concrete slab designed for H-20 loading, 1% min 2% max slope to drains, with concrete curb around perimeter.
7. 3/4" Plywood Wainscoting at framed walls.
8. Overhead Electrical Reels for Apparatus Chargers and power tools at each vehicle station.
9. Fluorescent Lighting and power, phone, and data lines on all walls throughout.
10. Provisions for Emergency Eyewash on each end, Medical Clean-Up Sink ,and Service Sink.
11. Provisions for Compressed Air Lines and Outlets on all walls throughout.
12. Storage Cabinets for EMS, Apparatus, and Cleaning Supplies.
13. Provisions for Gas Dryers for Hoses.

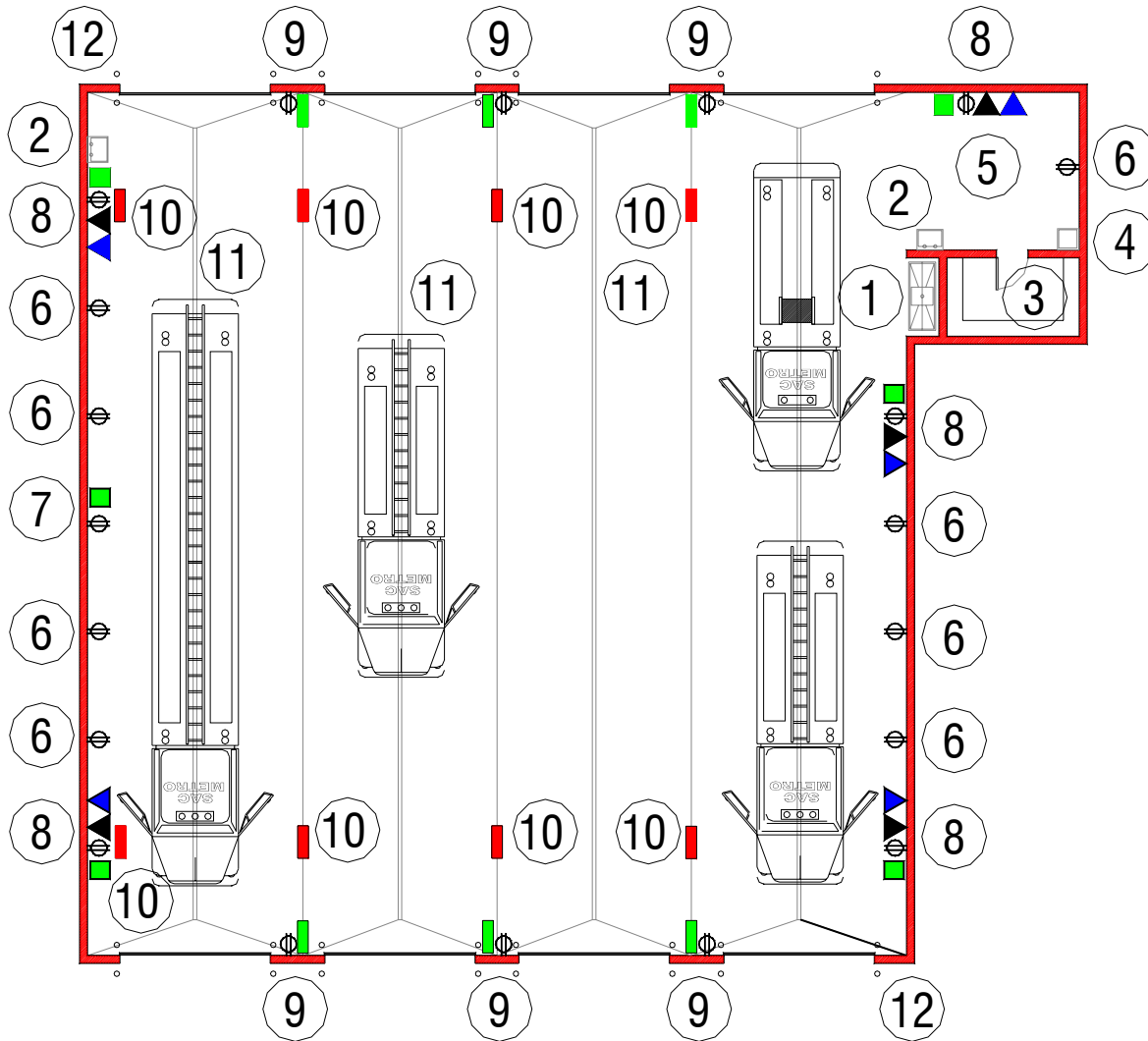


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Sacramento Metropolitan Fire District
Facilities Design Criteria



4-13 APPARATUS ROOM



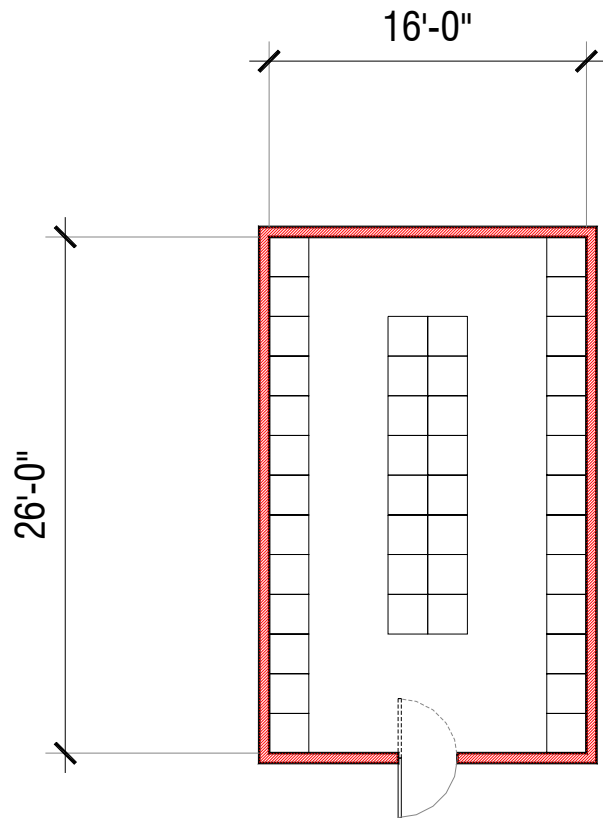
1. Stainless Steel Medical Clean-Up Sink
2. Emergency Eyewash
3. Storage Room: EMS, Apparatus, Cleaning
4. Service Sink
5. Hose Drying Area
6. Power Receptacle
7. Power Receptacle Compressed Air Outlet
8. Power Receptacle Compressed Air Outlet Telephone Outlet Data Outlet
9. Power Receptacle Compressed Air Hose Reel
10. Overhead Power Reel
11. Trench Drain
12. 6" Steel Pipe Bollard with Concrete Fill – Typical both sides all OH Doors



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Facilities Design Criteria





4-13 TURNOUT ROOM

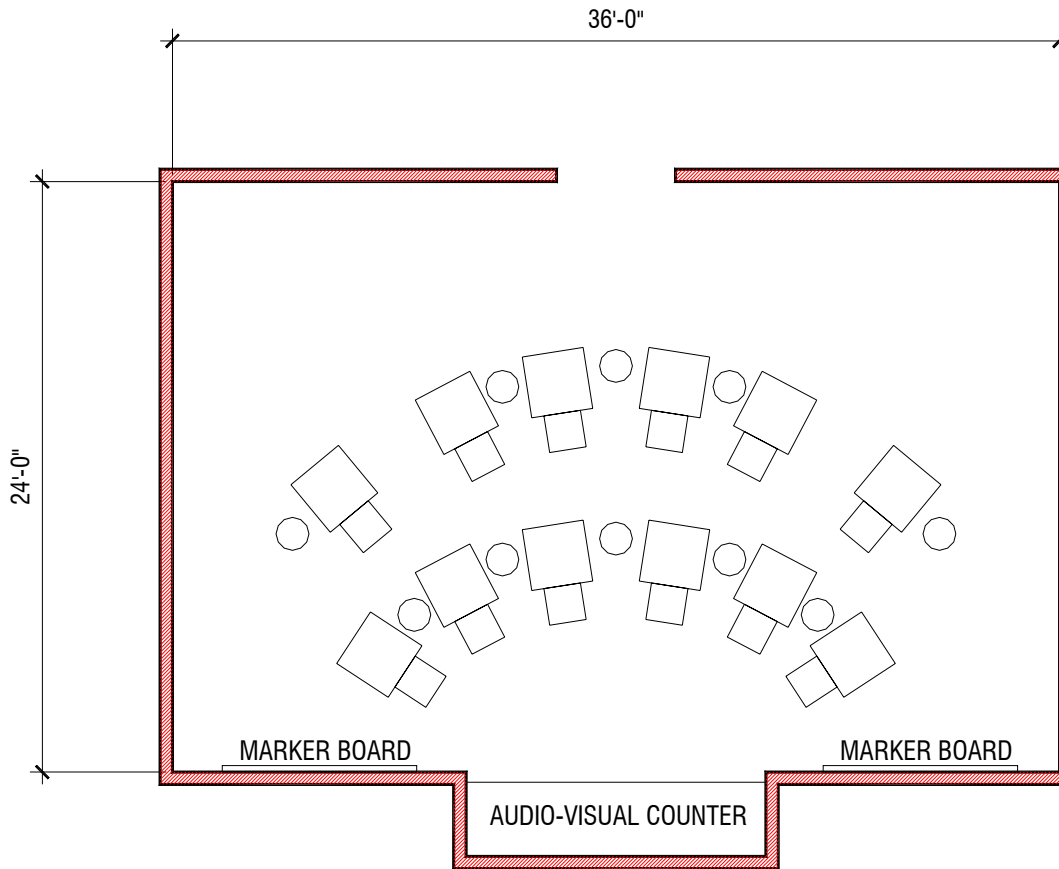
1. Adjacent to Apparatus Room.
2. Accommodate 41 Turnout Lockers based on 3 Staff :1 Turnout Locker ratio plus allowance for 2 additional Turnout Lockers
3. Open, wire-grid design; reference www.geargrid.com.
4. Efficient ventilation to promote air movement of 6 air changes per hour.
5. Interior double-acting access; additional exterior access optional based on building layout.



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Facilities Design Criteria





4-13 DAYROOM

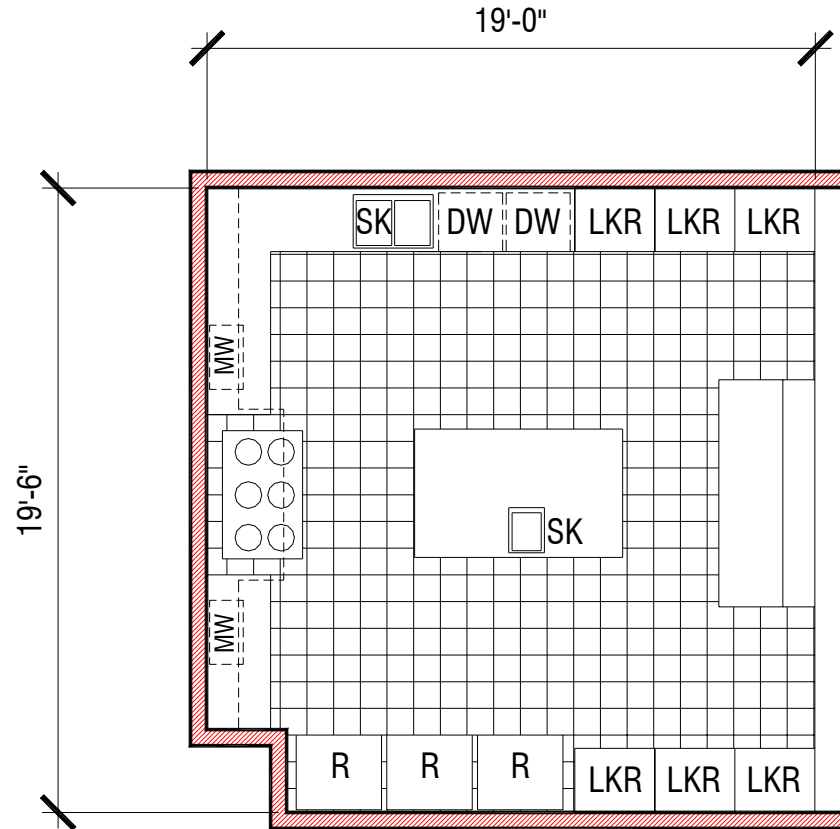
1. Audio-Visual Center with power, phone, and data outlets and seating capacity for twelve.
2. Adjacent to Kitchen/Dining Area and Office Area.
3. Ceiling Fans.



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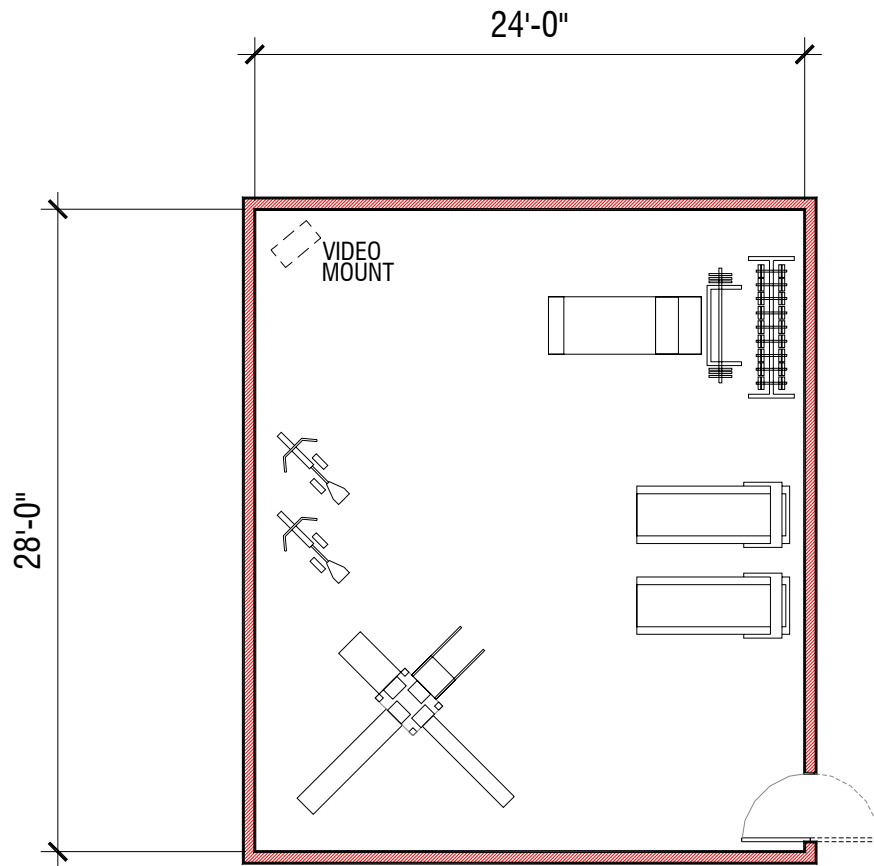
Sacramento Metropolitan Fire District
Facilities Design Criteria





4-13 KITCHEN

1. Open Layout with central Islands to accommodate multiple people preparing meals.
2. Multiple Refrigerators (3) and Food Lockers(6) to accommodate three shifts.
3. Commercial 6-Burner Stove with 2 Ovens and Type-I Hood.
4. Commercial Grade Appliances: Dishwashers, Microwaves, Stove.
5. Solid Surface Polymer Countertops; reference www.corian.com.
6. Large Commercial Sinks with overhead Nozzle and Garbage Disposal.
7. Tile Floors and Base.
8. Scrubbable Ceiling Surface.
9. Direct Access to Dining Area and Concrete Patio. Concrete Patio shall be sized to fit picnic table and shade structure, and provide gas outlet for Barbeque unit.



4-13 WORKOUT ROOM

1. Adjacent to Showers/Bathrooms.
2. Athletic Rubber Floor Surfacing.
3. Mirror Wall Surface on two adjacent walls.
4. Electrical Outlets to accommodate Exercise Equipment.
5. Efficient ventilation to promote air movement of 6 air changes per hour.
6. Ceiling Fans.
7. Ceiling-Suspended Video Mounts.
Reference:
www.peerlessindustries.com/jumbotv_suspended.htm
8. Double-acting access.



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Sacramento Metropolitan Fire District
Facilities Design Criteria





3:10
BAY : CREW



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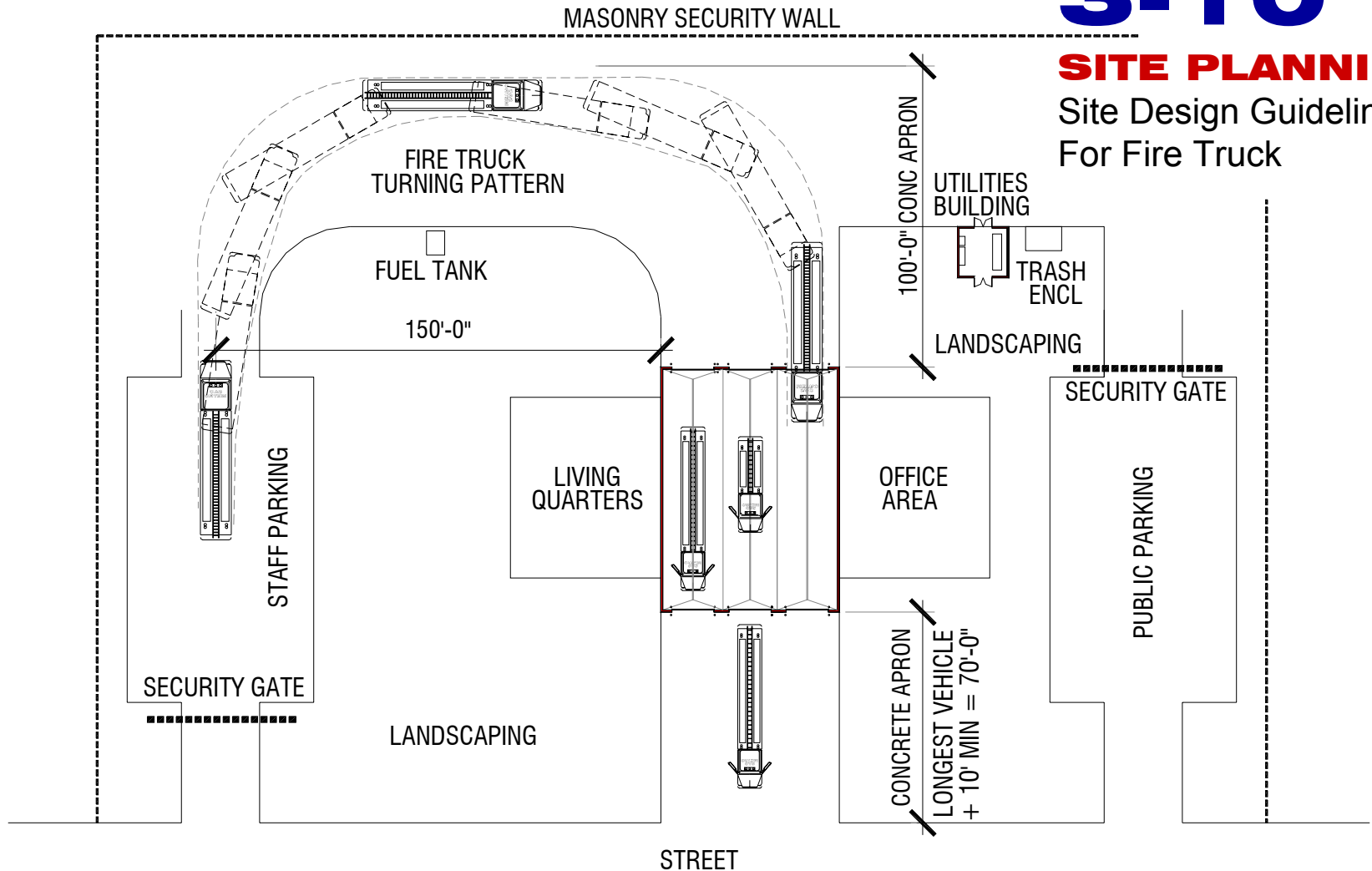
Sacramento Metropolitan Fire District
Facilities Design Criteria



3-10

SITE PLANNING

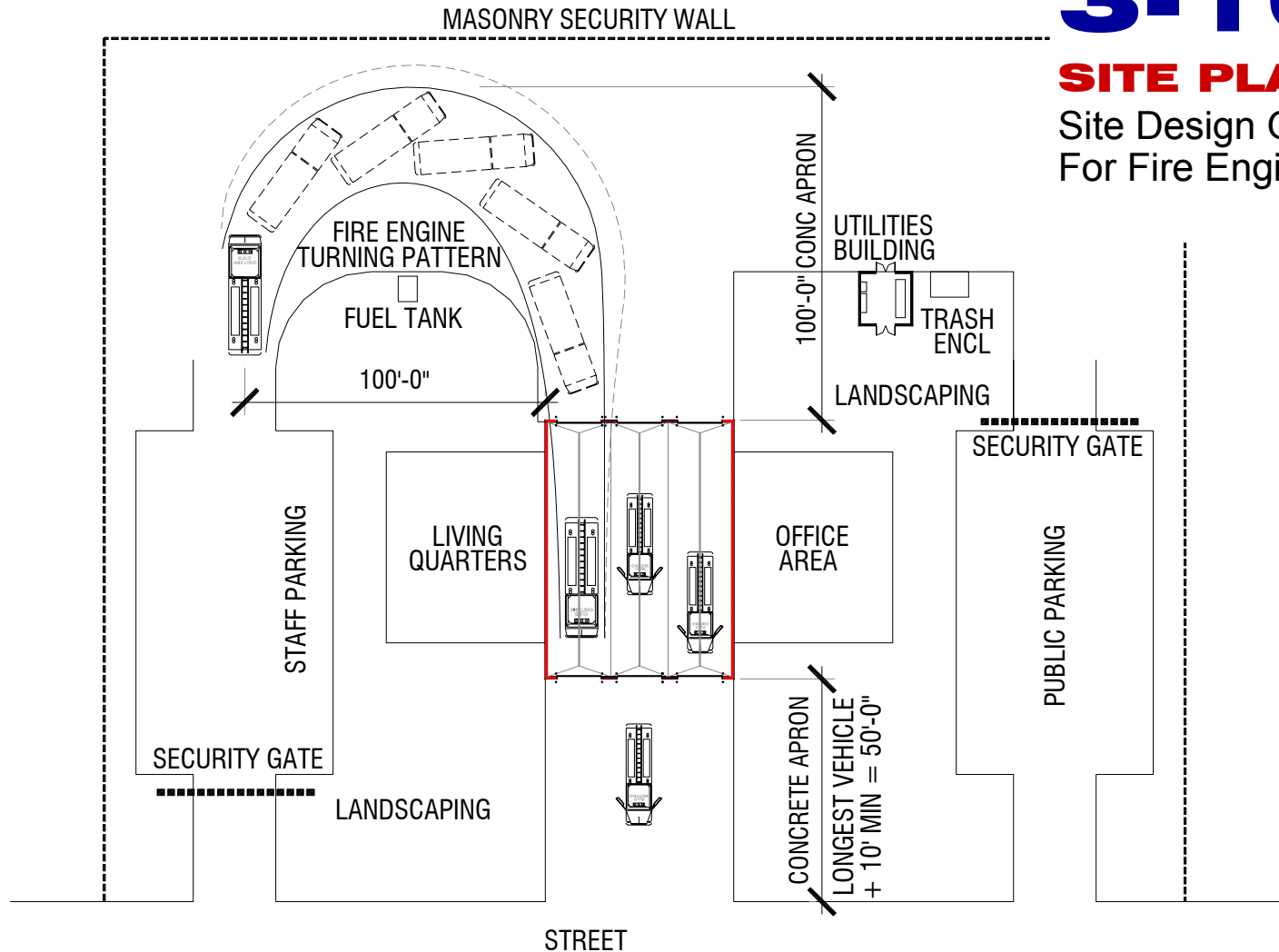
Site Design Guidelines For Fire Truck



3-10

SITE PLANNING

Site Design Guidelines For Fire Engine



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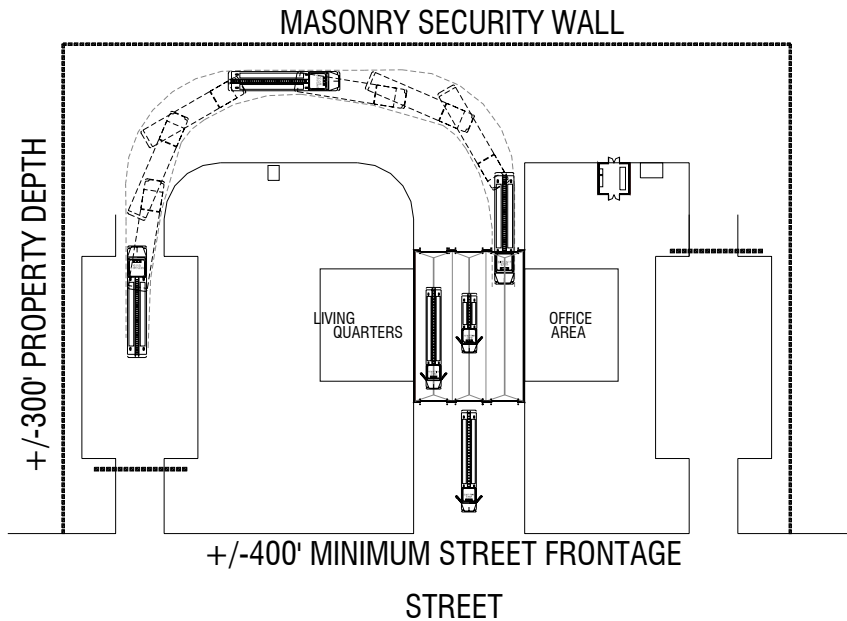
Sacramento Metropolitan Fire District
Facilities Design Criteria



3-10

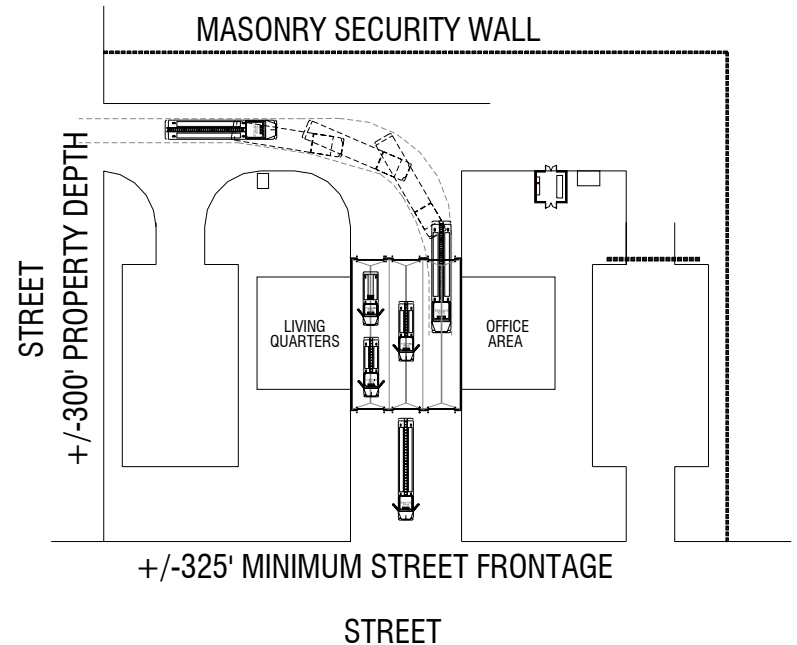
SITE PLANNING

Site Design Guidelines For Fire Truck



INFILL SITE

+/-3 Acres min



CORNER SITE

+/-2.25 Acres min



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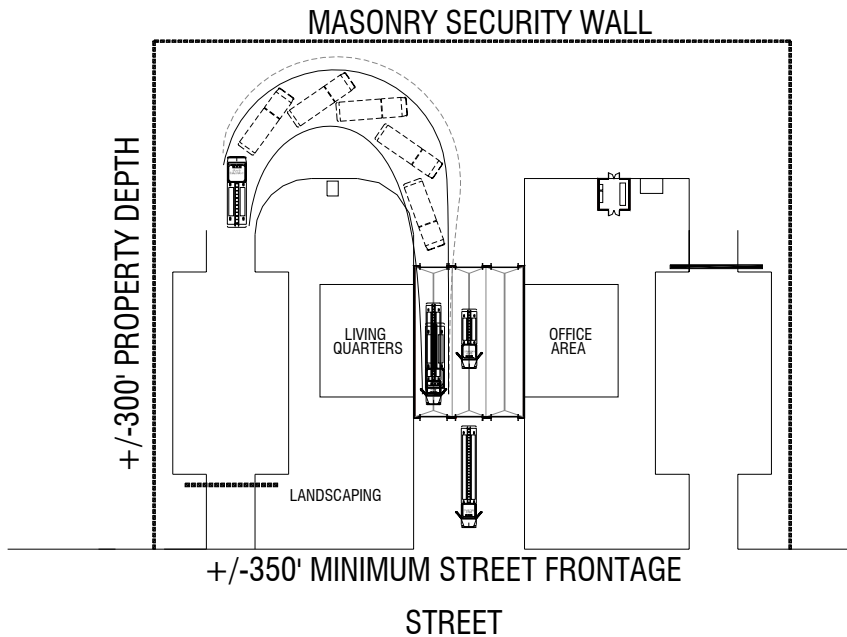
Sacramento Metropolitan Fire District
Facilities Design Criteria



3-10

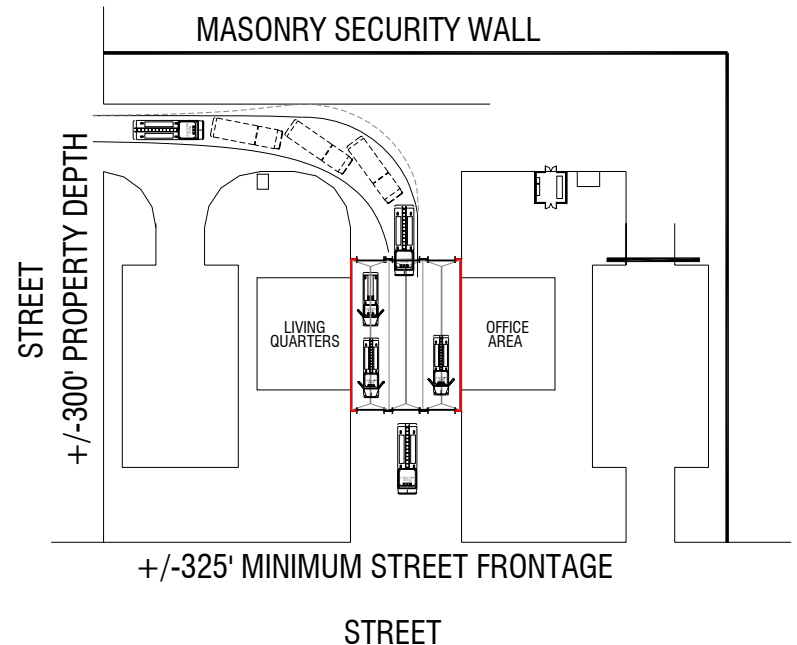
SITE PLANNING

Site Design Guidelines For Fire Engine



INFILL SITE

+/-2.5 Acres min



CORNER SITE

+/-2.25 Acres min

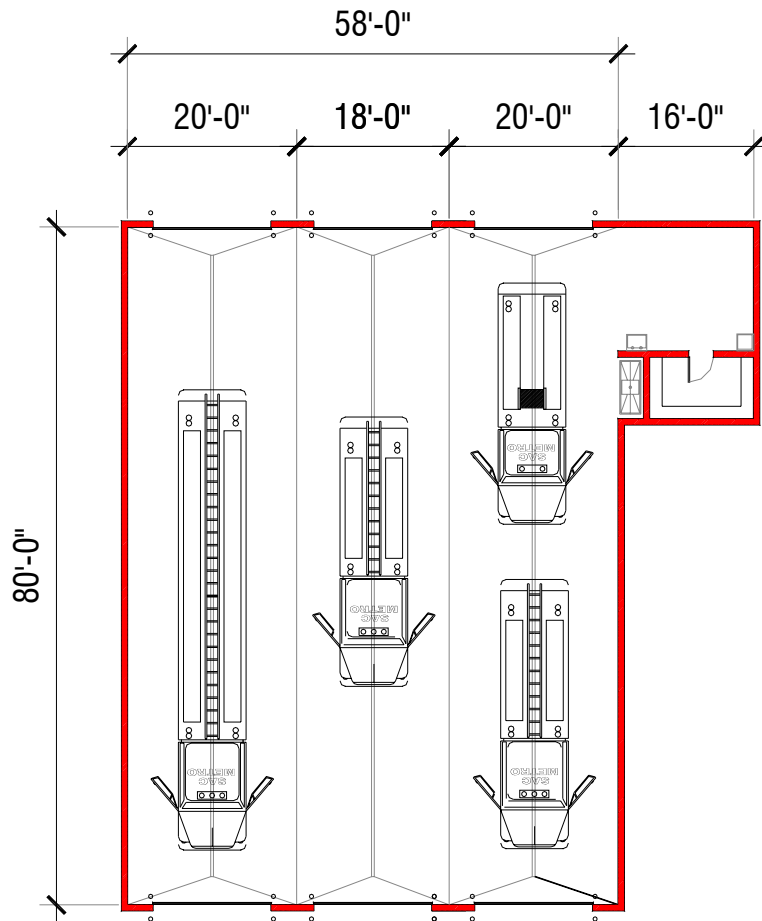


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Sacramento Metropolitan Fire District
Facilities Design Criteria



3-10 APPARATUS ROOM



1. Drive-Through arrangement; North-South orientation preferred.
2. 3-Bay, double deep configuration, minimum 17' clear hgt.
3. Mechanical Exhaust Evacuation System for Vehicles.
4. 14' x 14' Motorized Overhead Doors each end each Bay, Keypad and Remote Exterior operation, with one bank of Vision Glass.
5. Continuous Trench Drains each Bay.
6. Sealed concrete slab designed for H-20 loading, 1% min 2% max slope to drains, with concrete curb around perimeter.
7. 3/4" Plywood Wainscoting at framed walls.
8. Overhead Electrical Reels for Apparatus Chargers and power tools at each vehicle station.
9. Fluorescent Lighting and power, phone, and data lines on all walls throughout.
10. Provisions for Emergency Eyewash, Medical Clean-Up Sink, and Service Sink.
11. Provisions for Compressed Air Lines and Outlets on all walls throughout.
12. Storage Cabinets for EMS, Apparatus, and Cleaning Supplies.
13. Provisions for Gas Dryers for Hoses.

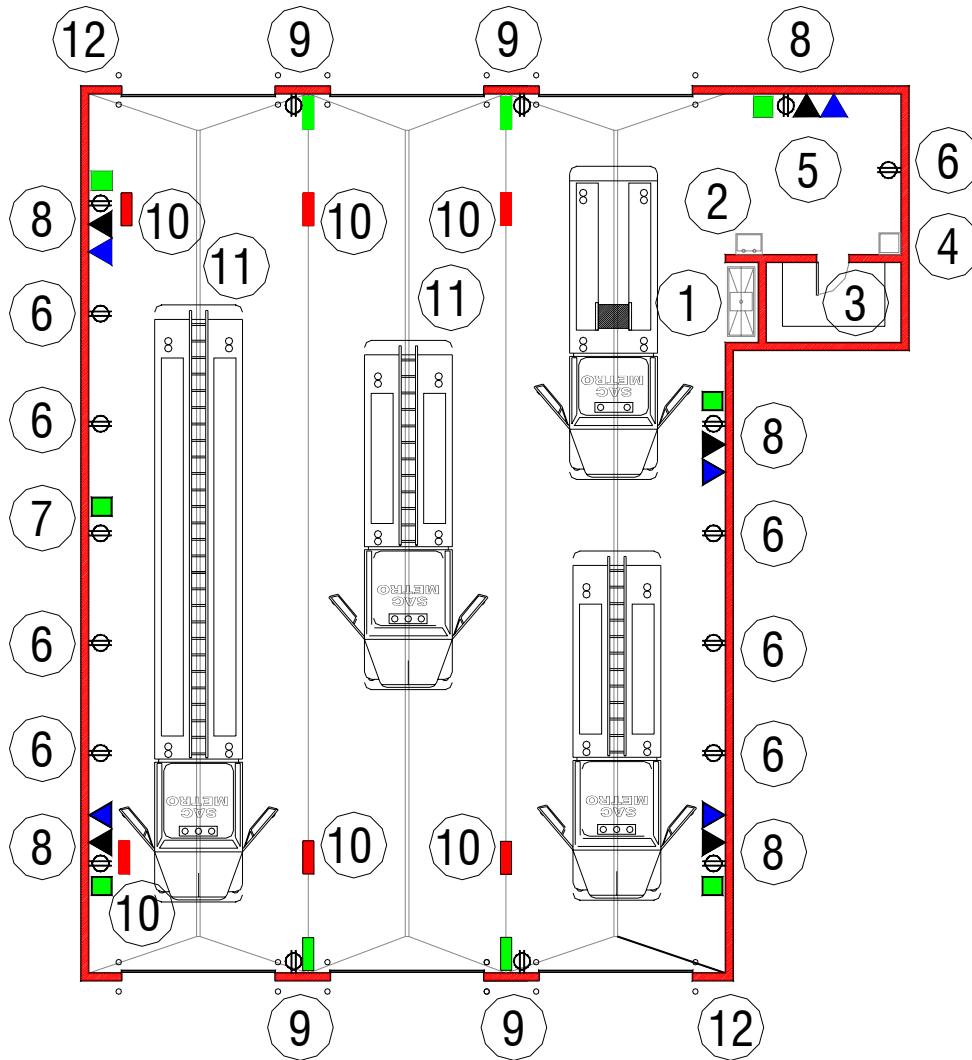


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Sacramento Metropolitan Fire District
Facilities Design Criteria



3-10 APPARATUS ROOM



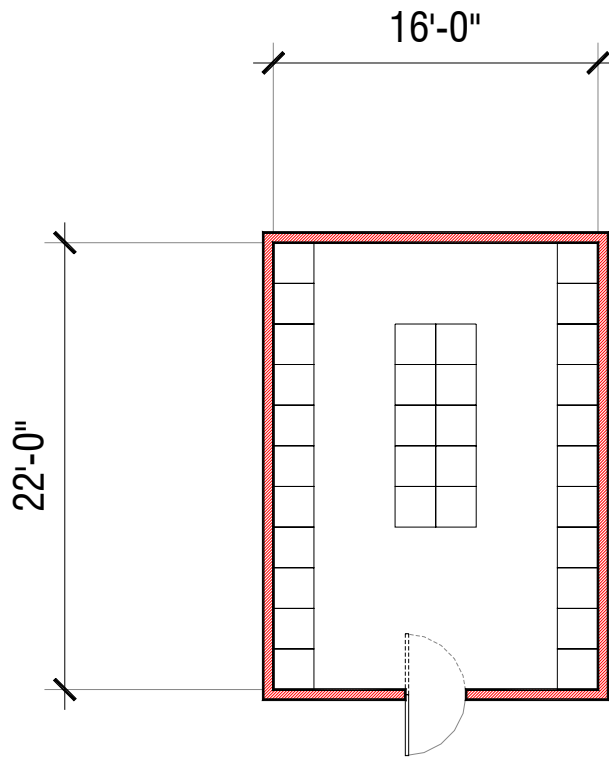
1. Stainless Steel Medical Clean-Up Sink
2. Emergency Eyewash
3. Storage Room: EMS, Apparatus, Cleaning
4. Service Sink
5. Hose Drying Area
6. Power Receptacle
7. Power Receptacle
Compressed Air Outlet
8. Power Receptacle
Compressed Air Outlet
Telephone Outlet
Data Outlet
9. Power Receptacle
Compressed Air Hose Reel
10. Overhead Power Reel
11. Trench Drain
12. 6" Steel Pipe Bollard with
Concrete Fill – Typical both
sides all OH Doors



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Sacramento Metropolitan Fire District
Facilities Design Criteria

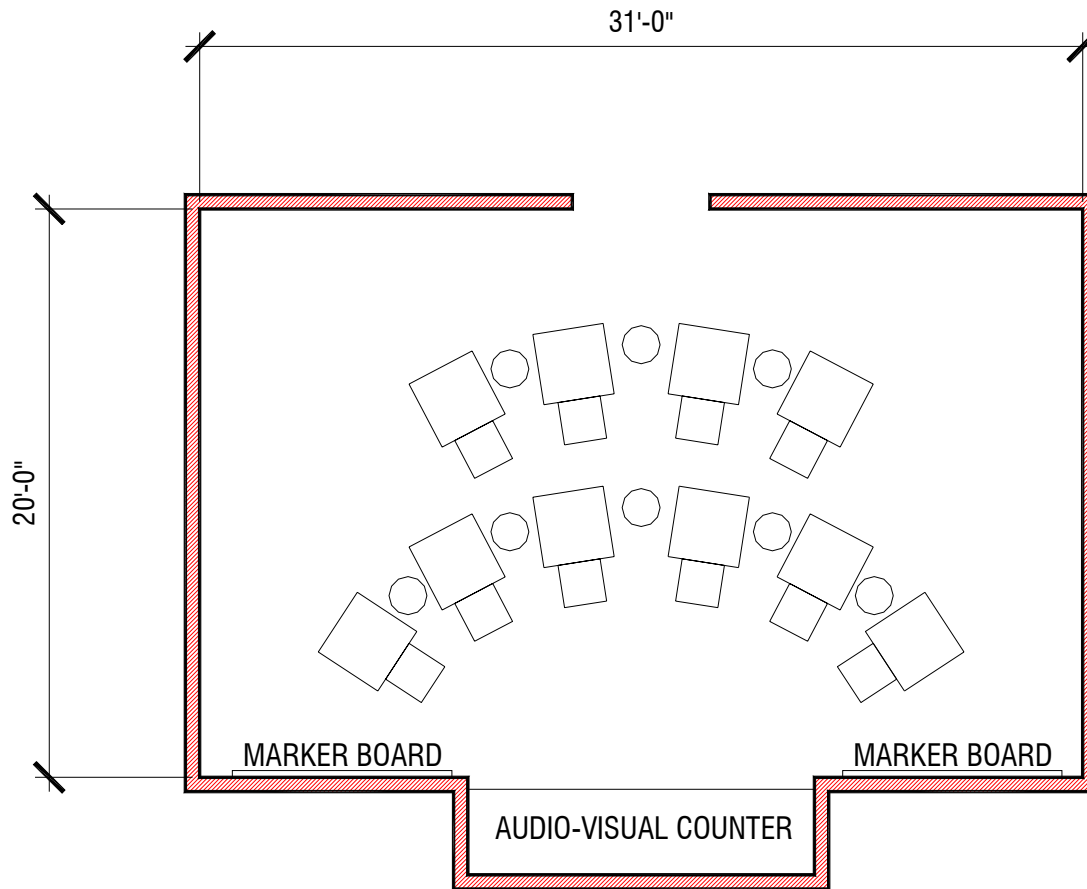




3-10 TURNOUT ROOM

1. Adjacent to Apparatus Room.
2. Accommodate 32 Turnout Lockers based on 3 Staff :1 Turnout Locker ratio plus allowance for 2 additional Turnout Lockers
3. Open, wire-grid design; reference www.geargrid.com.
4. Efficient ventilation to promote air movement of 6 air changes per hour.
5. Interior double-acting access; additional exterior access optional based on building layout.





3-10 DAYROOM

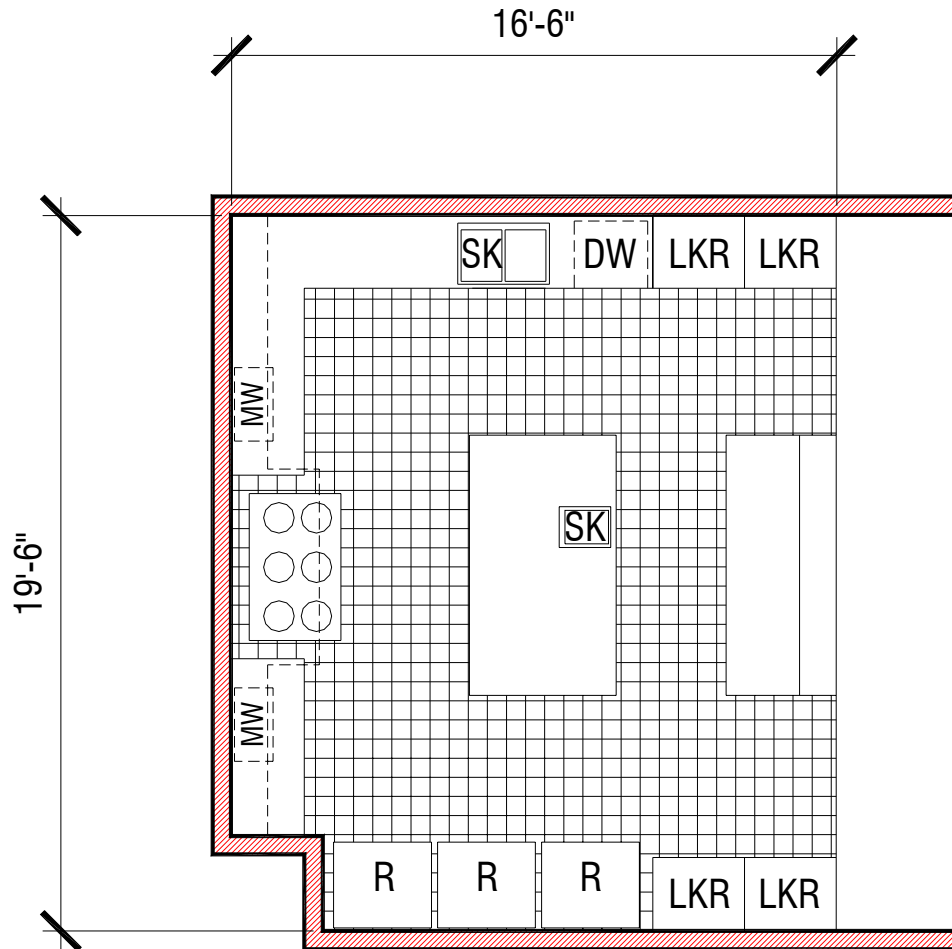
1. Audio-Visual Center with power, phone, and data outlets and seating capacity for ten.
2. Adjacent to Kitchen/Dining Area and Office Area.
3. Ceiling Fans.



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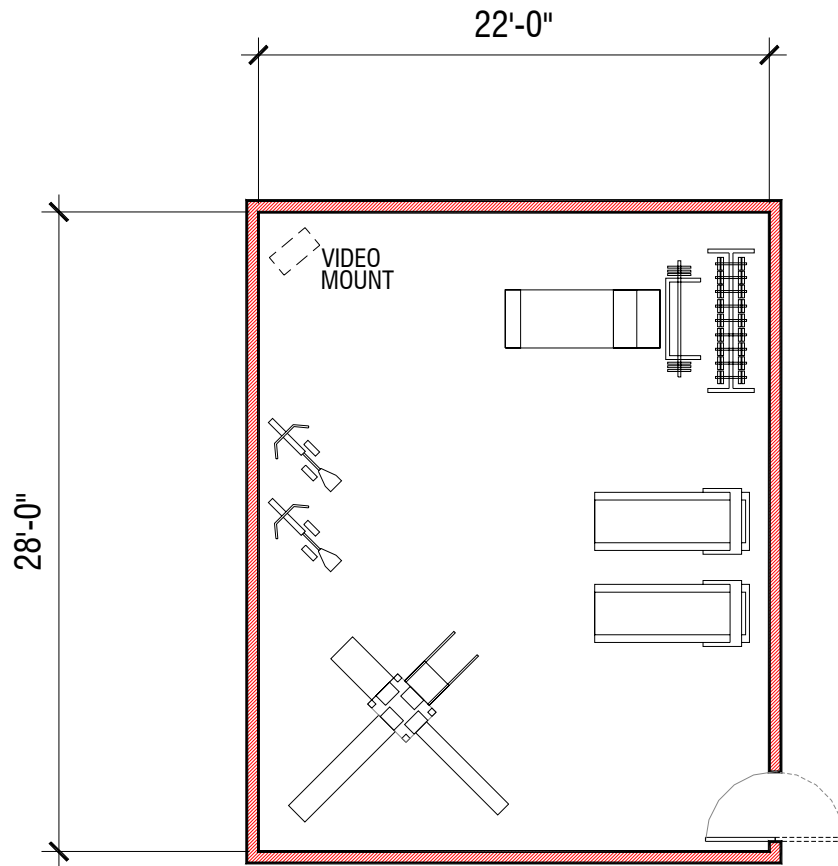
Sacramento Metropolitan Fire District
Facilities Design Criteria





3-10 KITCHEN

1. Open Layout with central Island to accommodate multiple people preparing meals.
2. Multiple Refrigerators (3) and Food Lockers (4) to accommodate three shifts.
3. Commercial 6-Burner Stove with 2 Ovens and Type-I Hood.
4. Commercial Grade Appliances: Dishwasher, Microwaves, Stove.
5. Solid Surface Countertops; reference www.corian.com.
6. Large Commercial Sinks with overhead Nozzle and Garbage Disposal.
7. Tile Floors and Base.
8. Scrubbable Ceiling Surface.
9. Direct Access to Dining Area and Concrete Patio. Concrete Patio shall be sized to fit picnic table and shade structure, and provide gas outlet for Barbeque unit.



3-10 WORKOUT ROOM

1. Adjacent to Showers/Bathrooms.
2. Athletic Rubber Floor Surfacing.
3. Mirror Wall Surface on two adjacent walls.
4. Electrical Outlets to accommodate Exercise Equipment.
5. Efficient ventilation to promote air movement of 6 air changes per hour.
6. Ceiling Fans.
7. Ceiling-Suspended Video Mounts.
Reference:
www.peerlessindustries.com/jumbotv_suspended.htm
8. Double-acting access.



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Sacramento Metropolitan Fire District
Facilities Design Criteria





2: 8
BAY : CREW



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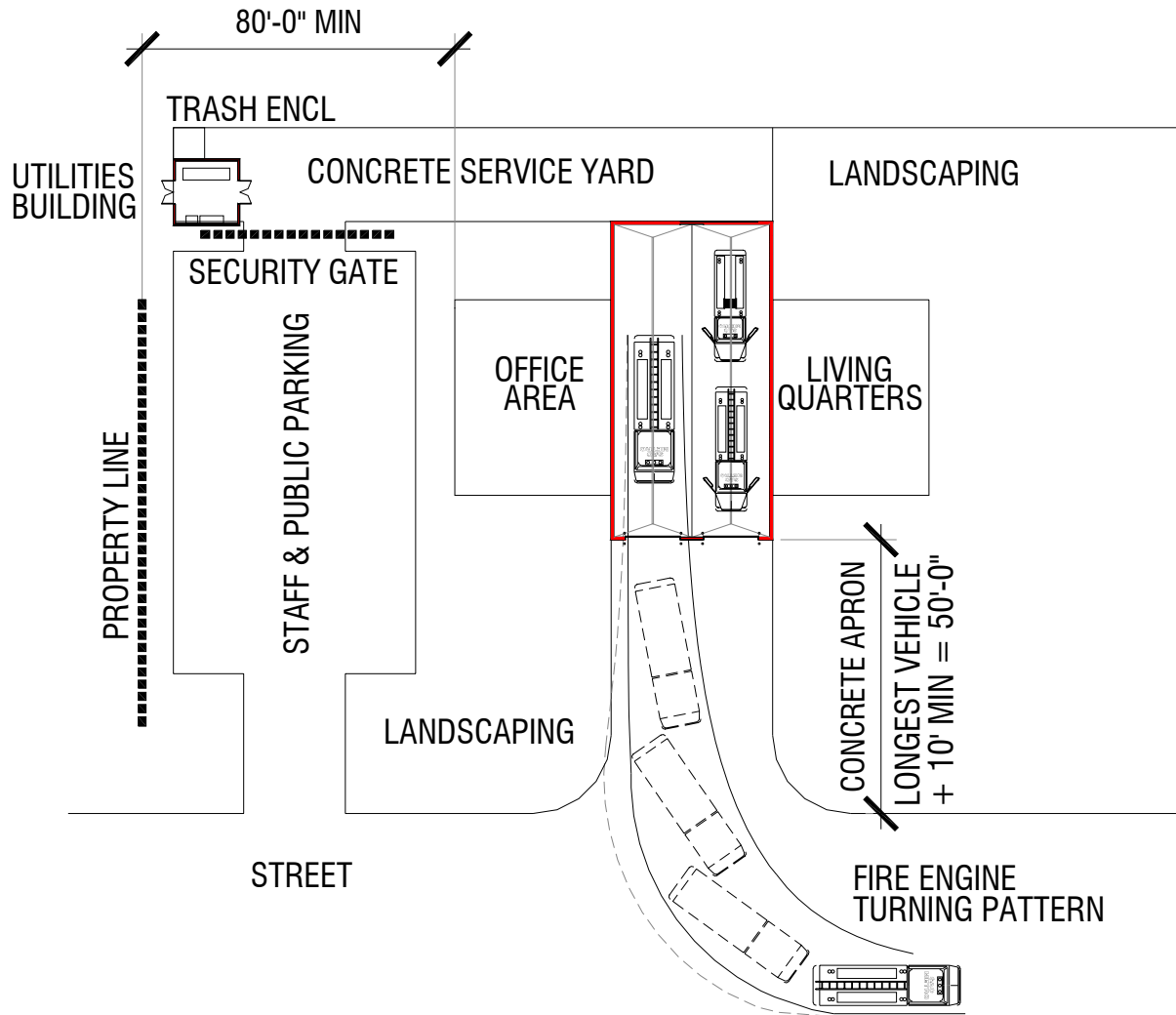
Sacramento Metropolitan Fire District
Facilities Design Criteria



2-8

SITE PLANNING

Site Design Guidelines
Back-Up Facility



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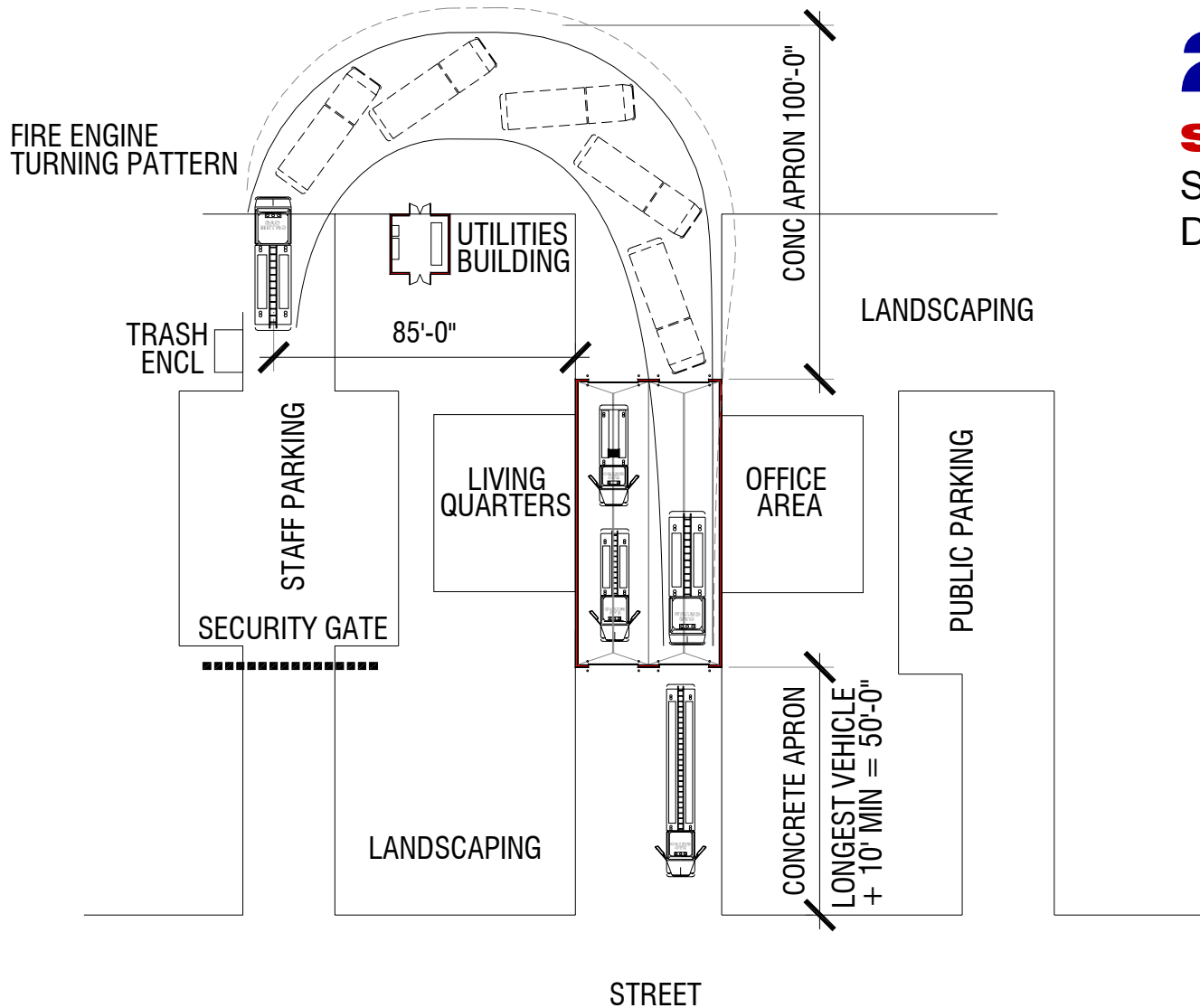
Sacramento Metropolitan Fire District
Facilities Design Criteria



2-8

SITE PLANNING

Site Design Guidelines Drive-Through Facility



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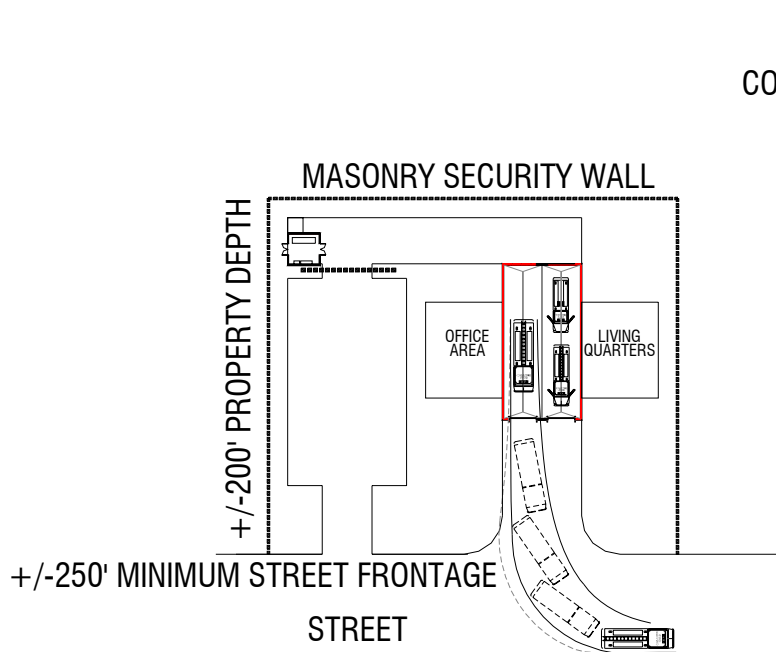
Sacramento Metropolitan Fire District
Facilities Design Criteria



2-8

SITE PLANNING

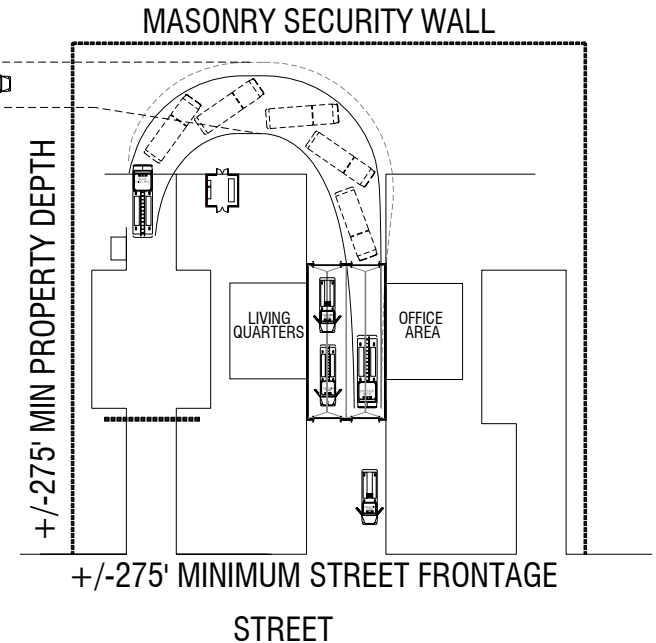
Site Design Guidelines



INFILL SITE

+/-1.25 Acres min

NOT ACCEPTABLE
at Trafficked Streets



INFILL SITE

+/-1.75 Acres min

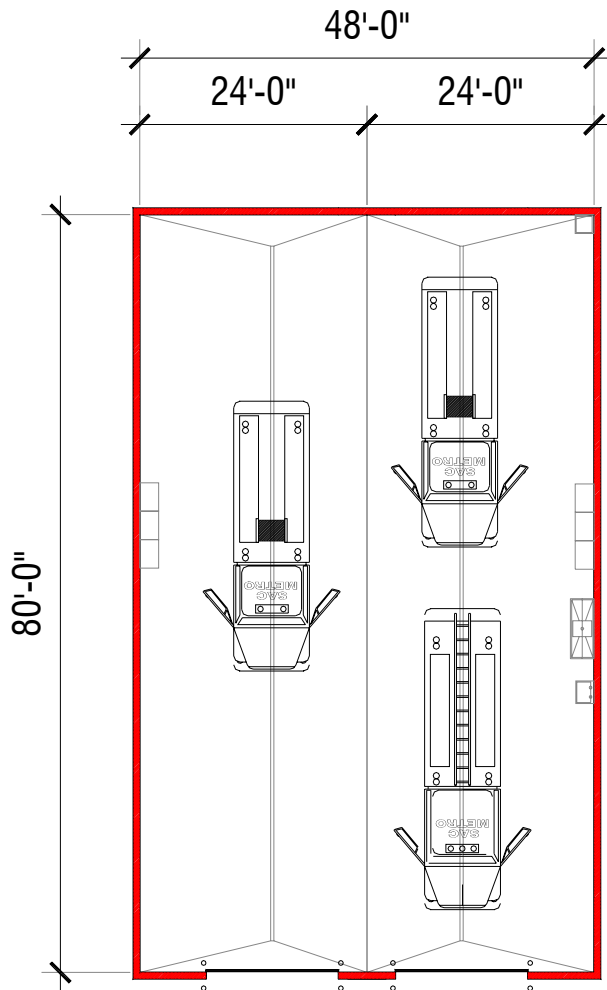
CORNER SITE similar



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Sacramento Metropolitan Fire District
Facilities Design Criteria



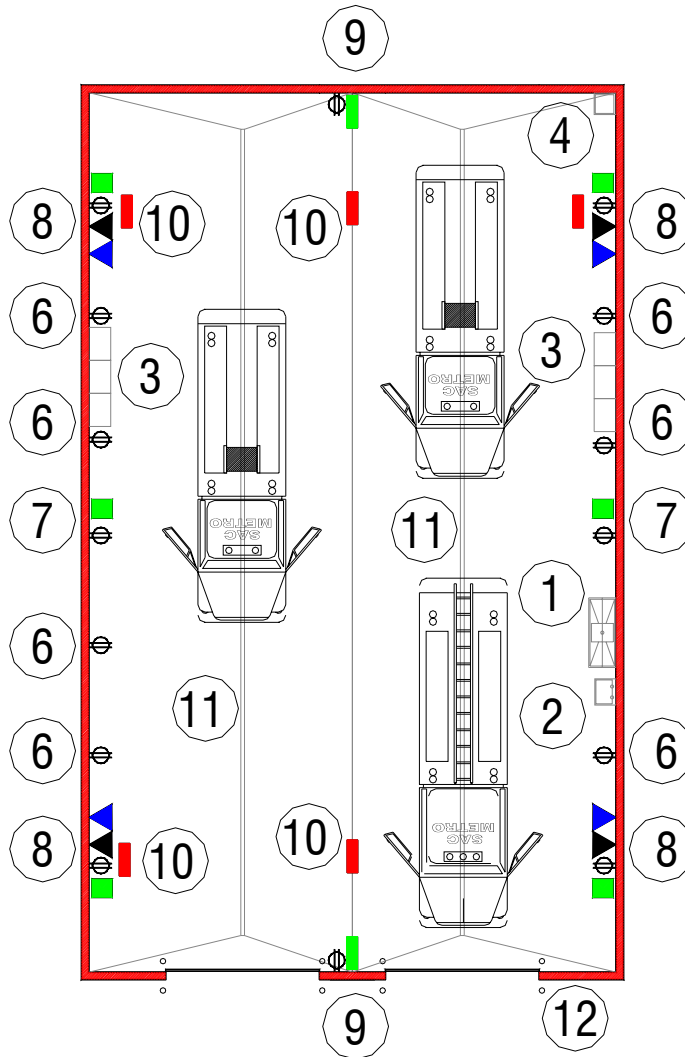


2-8 APPARATUS ROOM

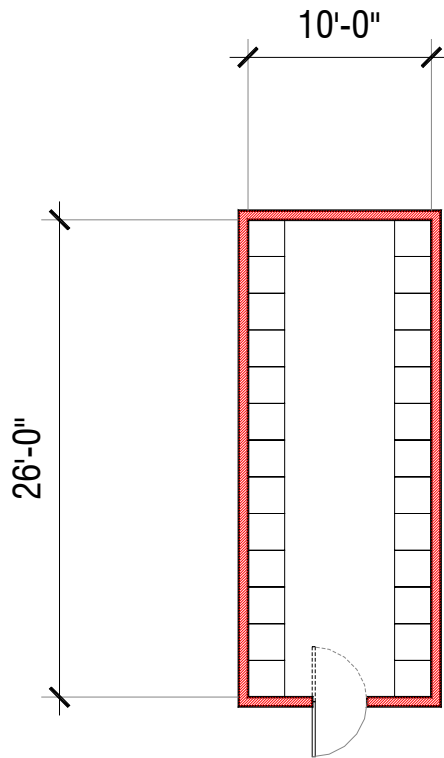
1. Back-In arrangement; alternate Drive-Through arrangement preferred.
2. 2-Bay, double deep configuration, minimum 17' clear hgt.
3. Mechanical Exhaust Evacuation System for Vehicles.
4. 14' x 14' Motorized Overhead Doors each Bay, Keypad and Remote Exterior operation, with one bank of Vision Glass each door.
5. Continuous Trench Drains each Bay.
6. Sealed concrete slab designed for H-20 loading, 1% min 2% max slope to drains, with concrete curb around perimeter.
7. 3/4" Plywood Wainscoting at framed walls.
8. Overhead Electrical Reels for Apparatus Chargers and power tools at each vehicle station.
9. Fluorescent Lighting and ample power, phone, and data lines throughout.
10. Provisions for Emergency Eyewash, Medical Clean-Up Sink, Washer, Dryer, Slop Sink.
11. Provisions for Compressed Air Lines and Outlets throughout.
12. Storage Cabinets for EMS, Apparatus, and Cleaning Supplies.
13. Provisions for Gas Dryers for Hoses.



2-8 APPARATUS ROOM



1. Stainless Steel Medical Clean-Up Sink
2. Emergency Eyewash
3. Storage Cabinets: EMS, Apparatus, Cleaning
4. Service Sink
5. Not Used
6. Power Receptacle
7. Power Receptacle
Compressed Air Outlet
8. Power Receptacle
Compressed Air Outlet
Telephone Outlet
Data Outlet
9. Power Receptacle
Compressed Air Hose Reel
10. Overhead Power Reel
11. Trench Drain
12. 6" Steel Pipe Bollard with
Concrete Fill – Typical both
sides all OH Doors



2-8 TURNOUT ROOM

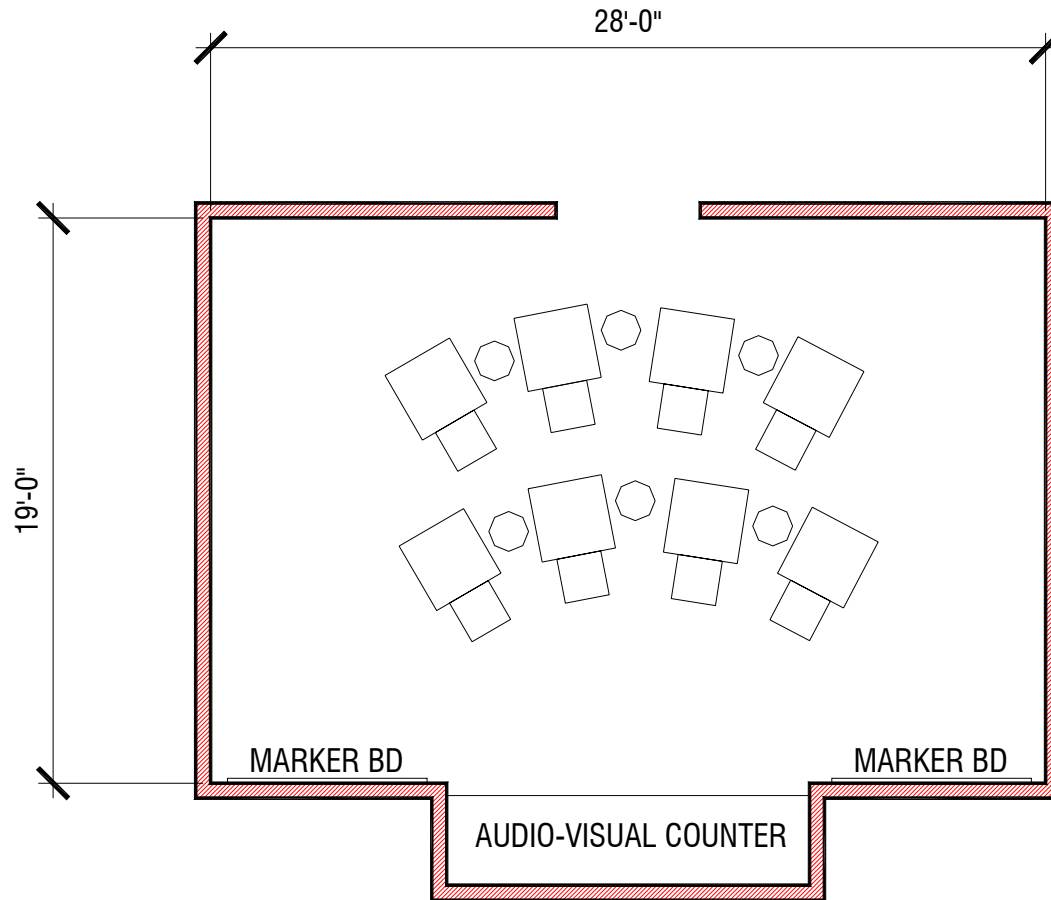
1. Adjacent to Apparatus Room.
2. Accommodate 26 Turnout Lockers based on 3 Staff :1 Turnout Locker ratio plus allowance for 2 additional Turnout Lockers
3. Open, wire-grid design; reference www.geargrid.com.
4. Efficient ventilation to promote air movement of 6 air changes per hour.
5. Interior double-acting access; additional exterior access optional based on building layout.



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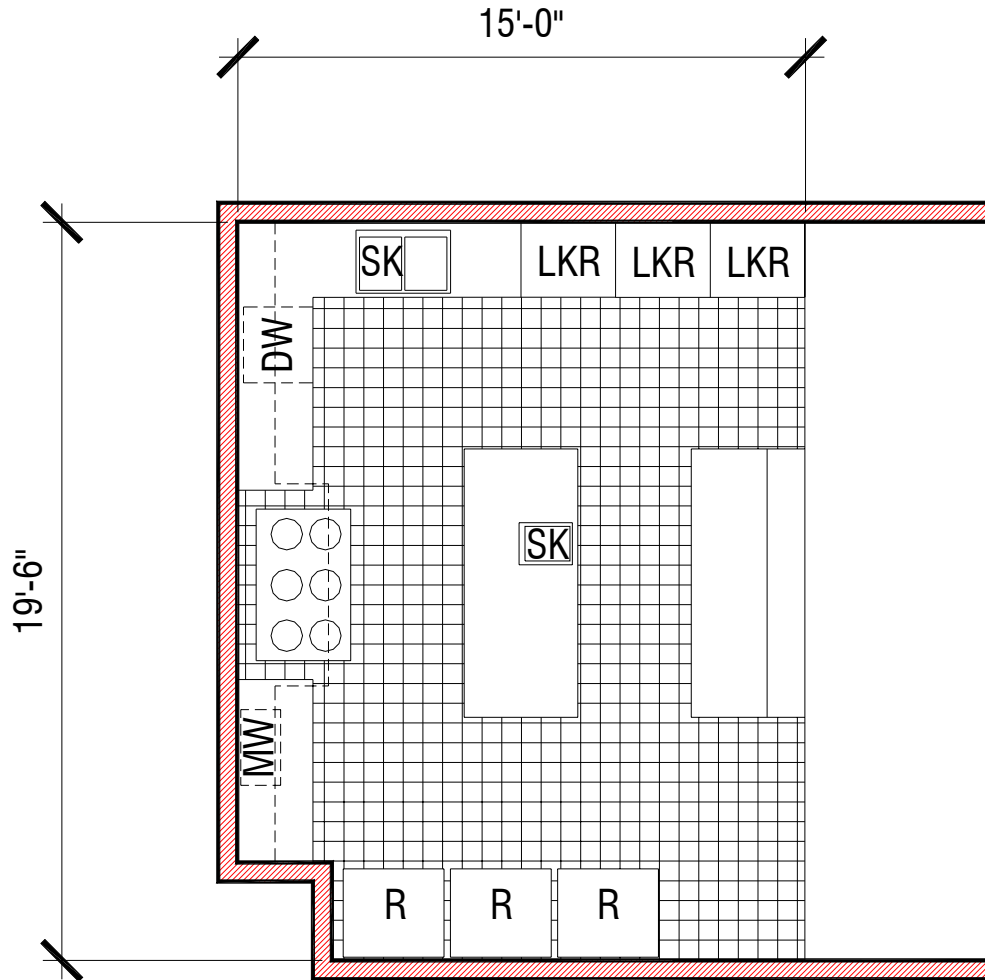




2-8 DAYROOM

1. Audio-Visual Center with power, phone, and data outlets and seating capacity for eight.
2. Adjacent to Kitchen/Dining Area and Office Area.
3. Ceiling Fans.

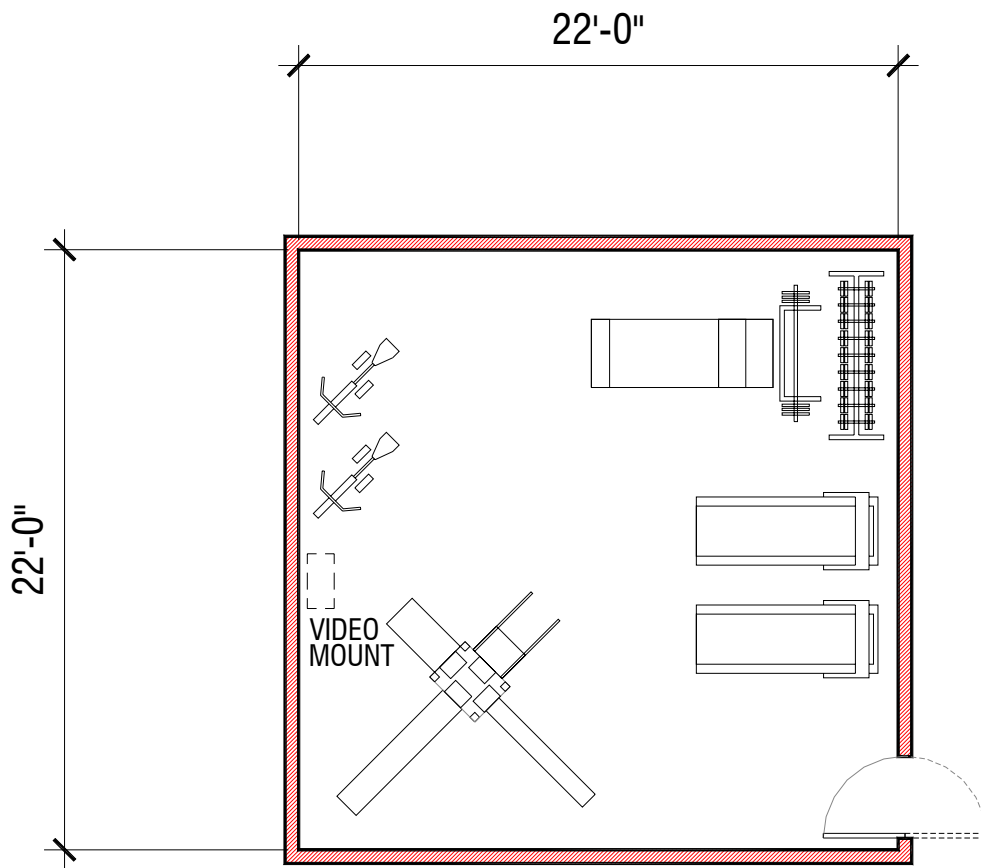




2-8 KITCHEN

1. Open Layout with central Island to accommodate multiple people preparing meals.
2. Multiple Refrigerators (3) and Food Lockers (3) to accommodate three shifts.
3. Commercial 6-Burner Stove with 2 Ovens and Type-I Hood.
4. Commercial Grade Appliances: Dishwasher, Microwave, Stove.
5. Solid Surface Countertops; reference www.corian.com.
6. Large Commercial Sinks with overhead Nozzle and Garbage Disposal.
7. Tile Floors and Base.
8. Scrubbable Ceiling Surface.
9. Direct Access to Dining Area and Concrete Patio. Concrete Patio shall be sized to fit picnic table and shade structure, and provide gas outlet for Barbeque unit.





2-8 WORKOUT ROOM

1. Adjacent to Showers/Bathrooms.
2. Athletic Rubber Floor Surfacing.
3. Mirror Wall Surface on two adjacent walls.
4. Electrical Outlets to accommodate Exercise Equipment.
5. Efficient ventilation to promote air movement of 6 air changes per hour.
6. Ceiling Fans.
7. Ceiling-Suspended Video Mounts.
Reference:
www.peerlessindustries.com/jumbotv_suspended.htm
8. Double-acting access.



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2: 6
BAY : CREW



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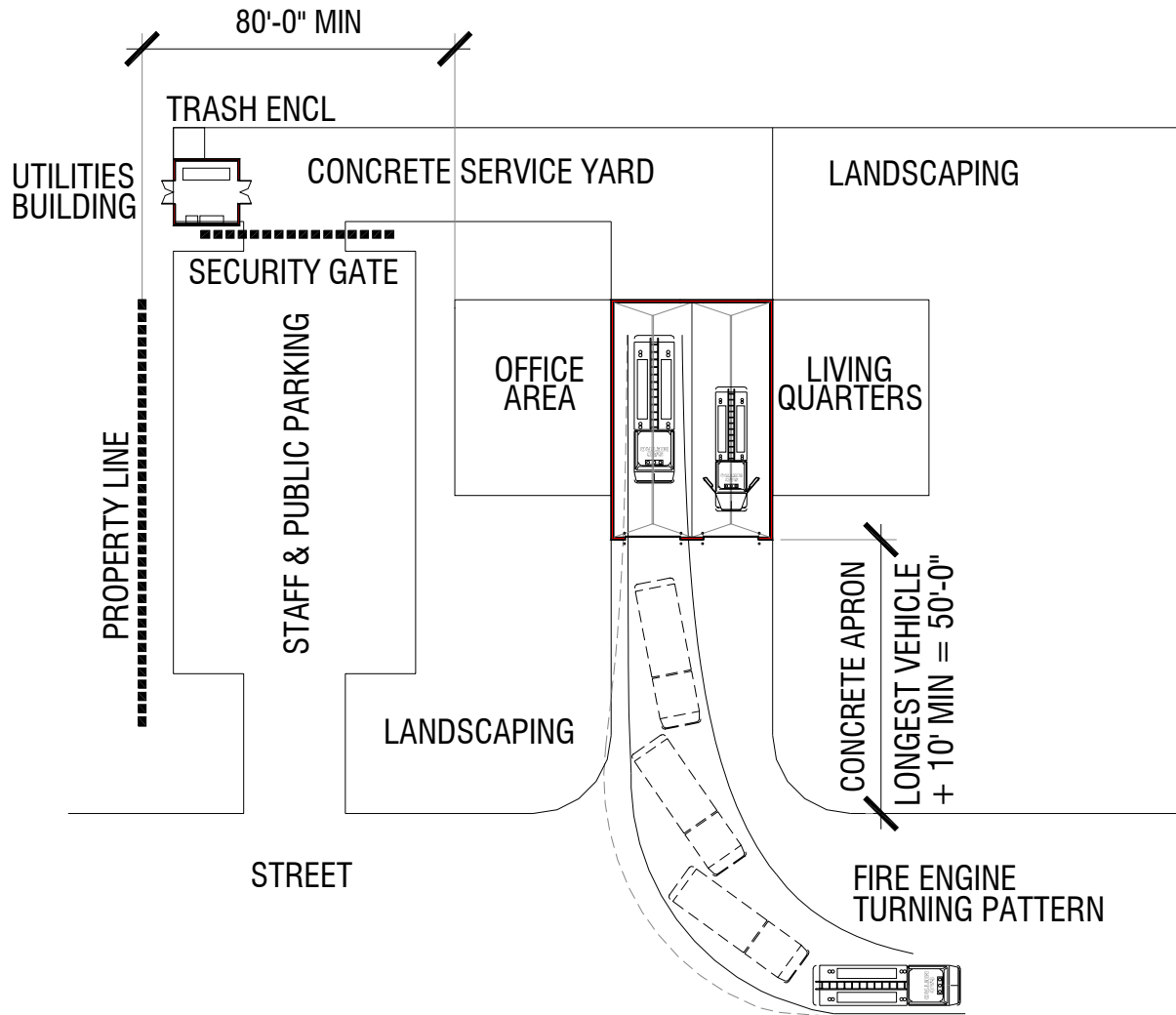
Sacramento Metropolitan Fire District
Facilities Design Criteria



2-6

SITE PLANNING

Site Design Guidelines
Back-Up Facility



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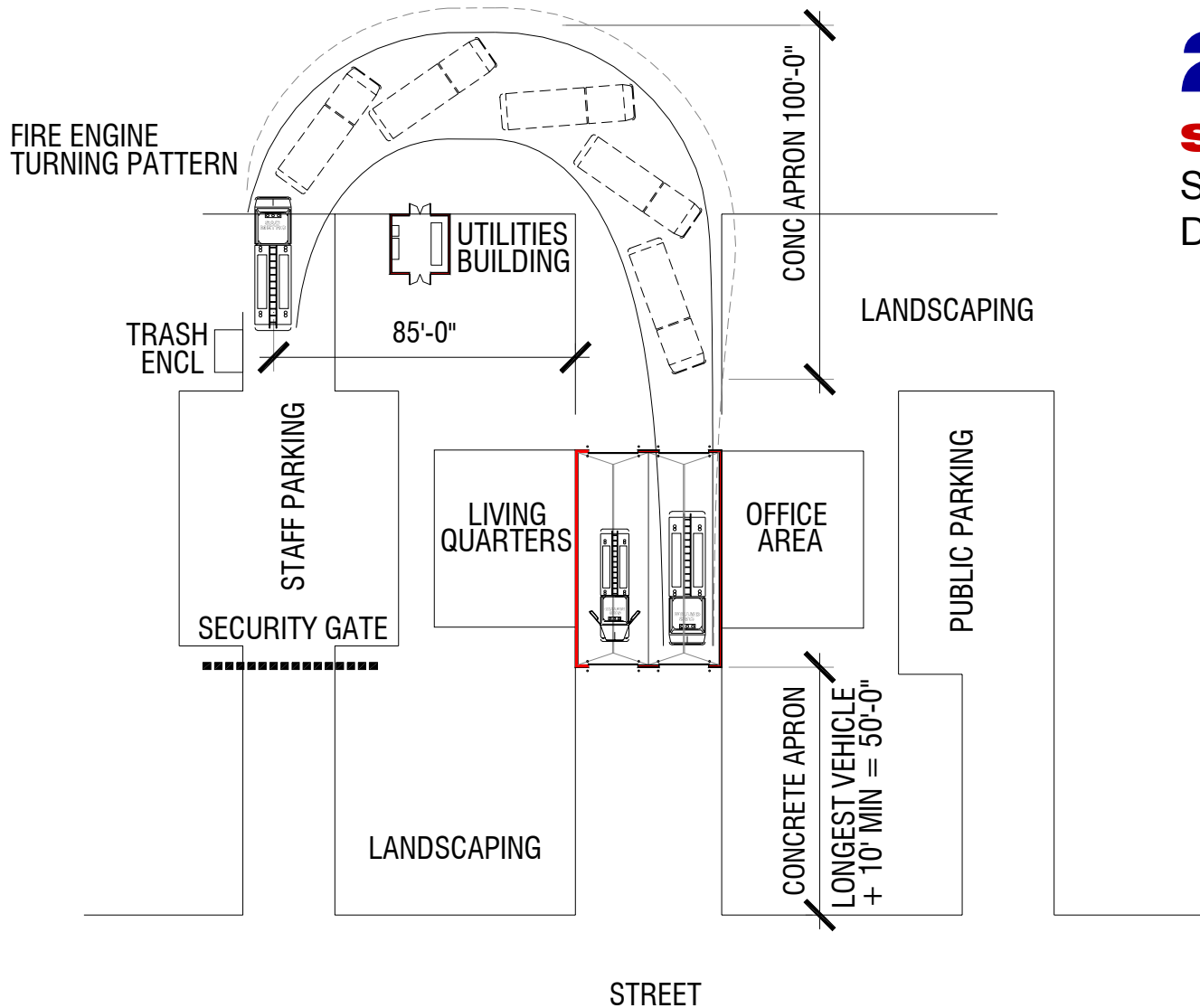
Sacramento Metropolitan Fire District
Facilities Design Criteria



2-6

SITE PLANNING

Site Design Guidelines Drive-Through Facility



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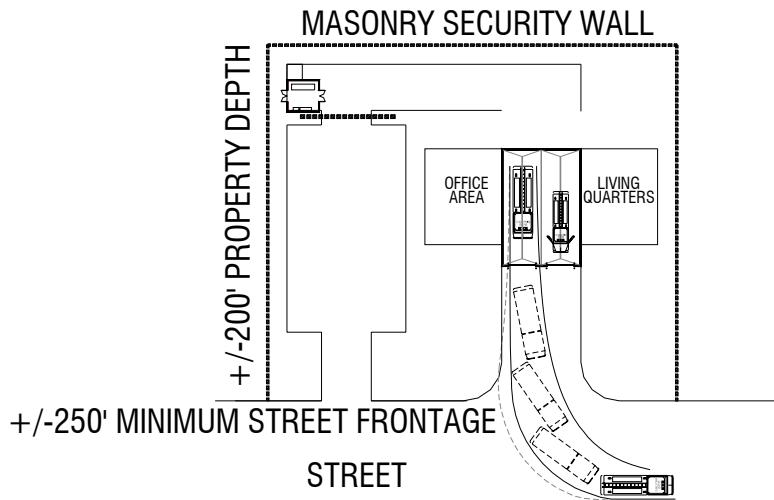
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2-6

SITE PLANNING

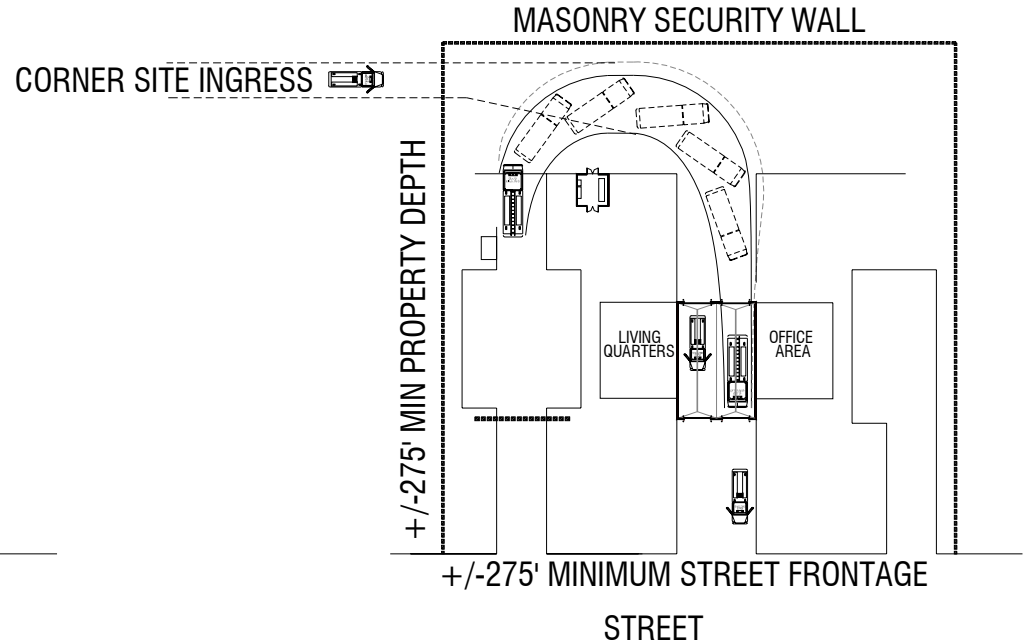
Site Design Guidelines



INFILL SITE

+/-1.25 Acres min

NOT ACCEPTABLE
at Trafficked Streets



INFILL SITE

+/-1.75 Acres min

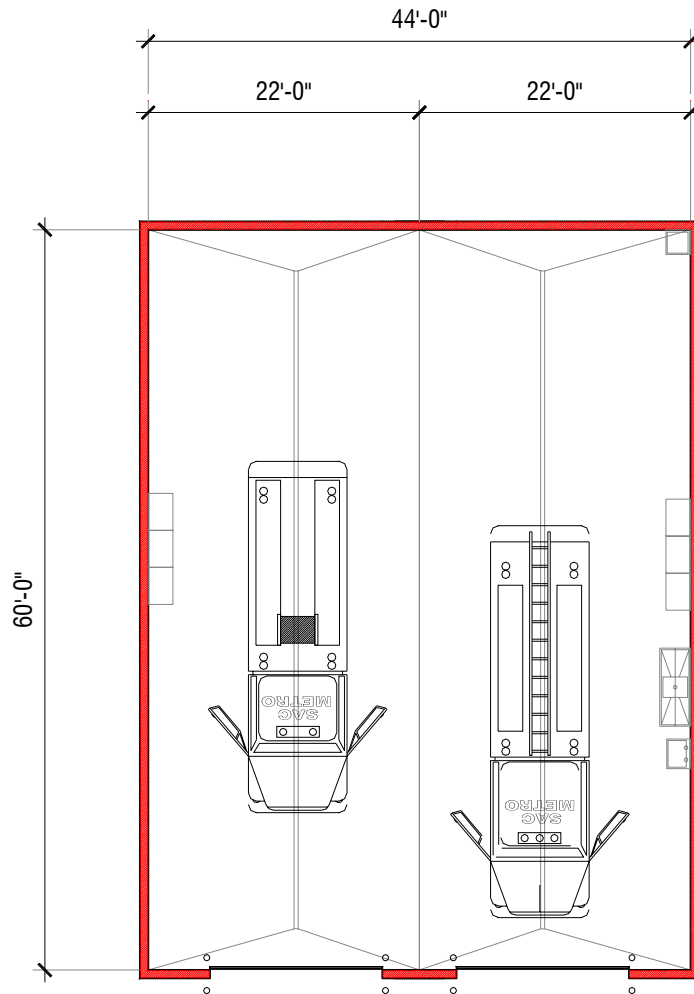
CORNER SITE similar



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Facilities Design Criteria

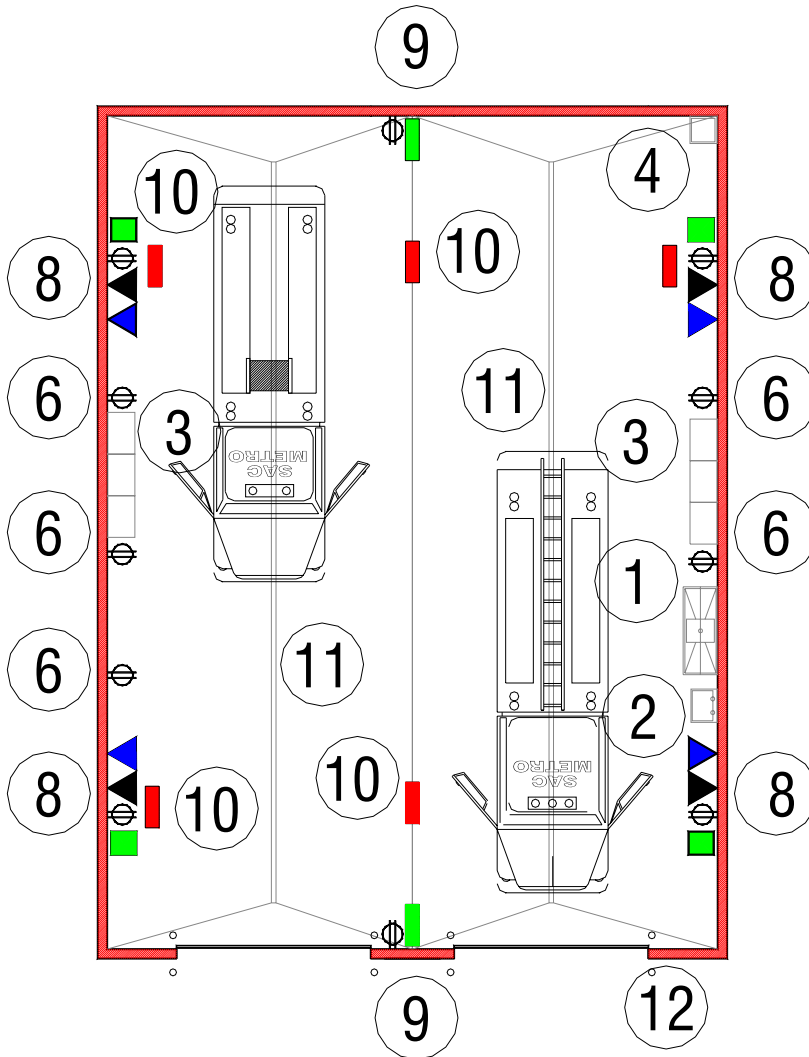




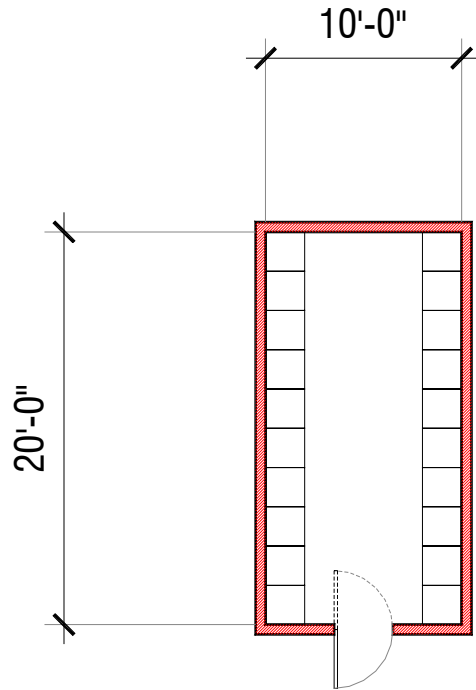
2-6 APPARATUS ROOM

1. Back-In arrangement; alternate Drive-Through arrangement preferred.
2. 2-Bay, 1-1/2 deep configuration, minimum 17' clear hgt.
3. Mechanical Exhaust Evacuation System for Vehicles.
4. 14' x 14' Motorized Overhead Doors each Bay, Keypad and Remote Exterior operation, with one bank of Vision Glass.
5. Continuous Trench Drains each Bay.
6. Sealed concrete slab designed for H-20 loading, 1% min 2% max slope to drains, with concrete curb around perimeter.
7. 3/4" Plywood Wainscoting at framed walls.
8. Overhead Electrical Reels for Apparatus Chargers and power tools at each vehicle station.
9. Fluorescent Lighting and ample power, phone, and data lines throughout.
10. Provisions for Emergency Eyewash, Medical Clean-Up Sink, Washer, Dryer, Slop Sink.
11. Provisions for Compressed Air Lines and Outlets throughout.
12. Storage Cabinets for EMS, Apparatus, and Cleaning Supplies.
13. Provisions for Gas Dryers for Hoses.

2-6 APPARATUS ROOM



1. Stainless Steel Medical Clean-Up Sink
2. Emergency Eyewash
3. Storage Cabinets: EMS, Apparatus, Cleaning
4. Service Sink
5. Not Used
6. Power Receptacle
7. Not Used
8. Power Receptacle
Compressed Air Outlet
Telephone Outlet
Data Outlet
9. Power Receptacle
Compressed Air Hose Reel
10. Overhead Power Reel
11. Trench Drain
12. 6" Steel Pipe Bollard with Concrete Fill – Typical both sides all OH Doors



2-6 TURNOUT ROOM

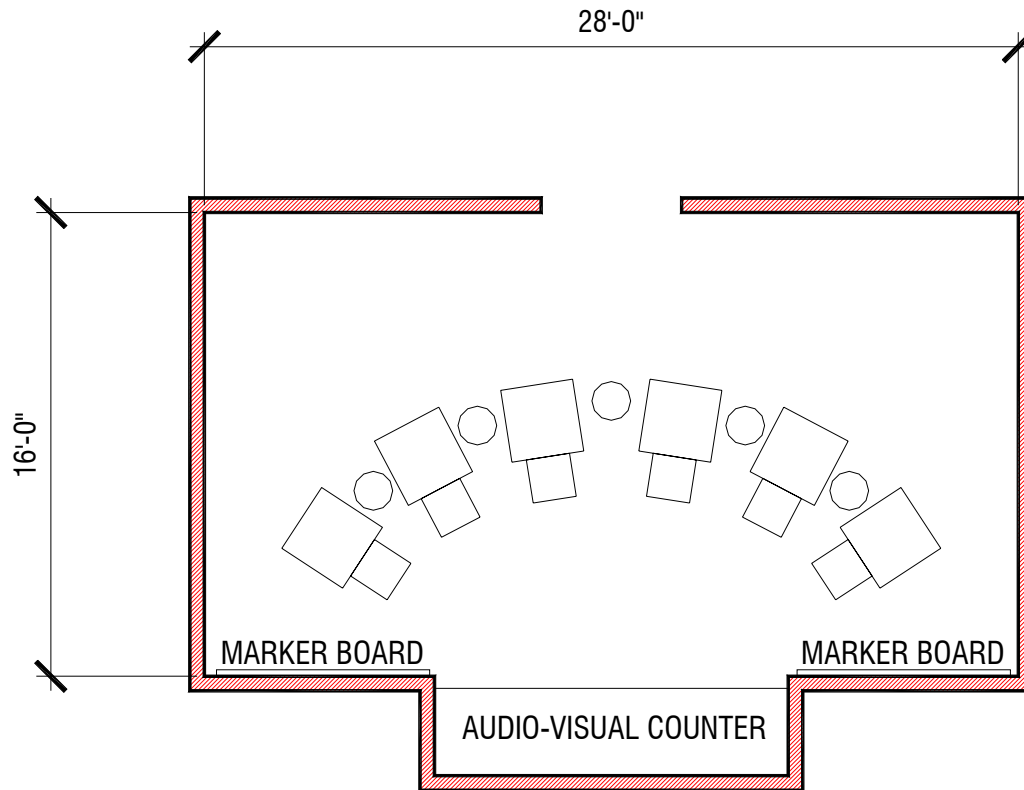
1. Adjacent to Apparatus Room.
2. Accommodate 20 Turnout Lockers based on 3 Staff :1 Turnout Locker ratio plus allowance for 2 additional Turnout Lockers
3. Open, wire-grid design; reference www.geargrid.com.
4. Efficient ventilation to promote air movement of 6 air changes per hour.
5. Interior double-acting access; additional exterior access optional based on building layout.



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Sacramento Metropolitan Fire District
Facilities Design Criteria





2-6 DAYROOM

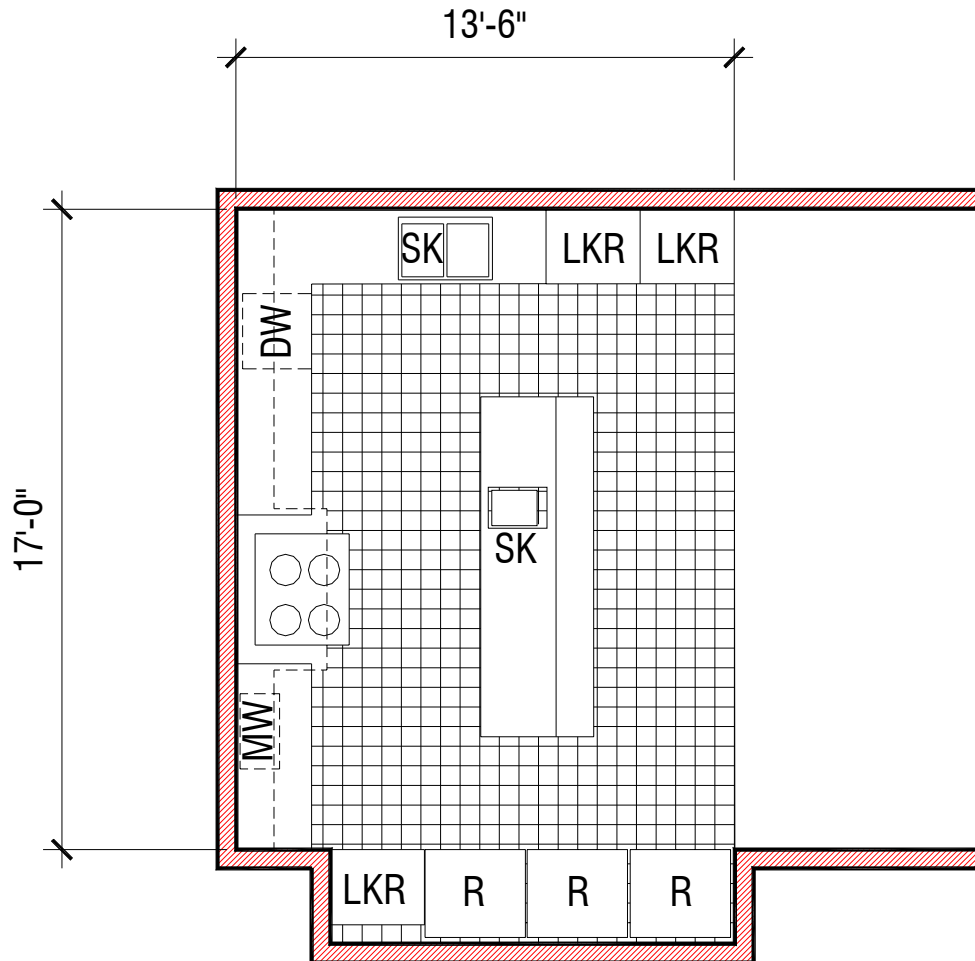
1. Audio-Visual Center with power, phone, and data outlets and seating capacity for six.
2. Adjacent to Kitchen/Dining Area and Office Area.
3. Ceiling Fans.



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Facilities Design Criteria

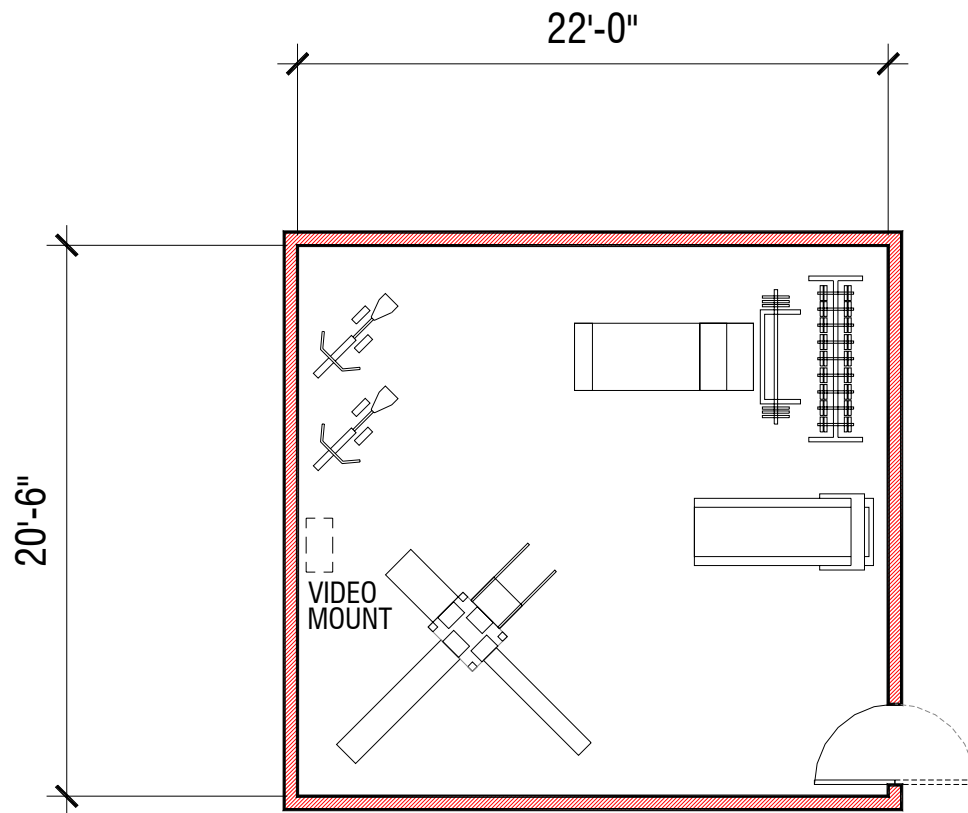




2-6 KITCHEN

1. Open Layout with central Island to accommodate multiple people preparing meals.
2. Multiple Refrigerators (3) and Food Lockers (3) to accommodate three shifts.
3. Commercial 4-Burner Stove with 1 Oven and Type-I Hood.
4. Commercial Grade Appliances: Dishwasher, Microwave, Stove.
5. Solid Surface Countertops; reference www.corian.com.
6. Large Commercial Sinks with overhead Nozzle and Garbage Disposal.
7. Tile Floors and Base.
8. Scrubbable Ceiling Surface.
9. Direct Access to Dining Area and Concrete Patio. Concrete Patio shall be sized to fit picnic table and shade structure, and provide gas outlet for Barbeque unit.





2-6 WORKOUT ROOM

1. Adjacent to Showers/Bathrooms.
2. Athletic Rubber Floor Surfacing.
3. Mirror Wall Surface on two adjacent walls.
4. Electrical Outlets to accommodate Exercise Equipment.
5. Efficient ventilation to promote air movement of 6 air changes per hour.
6. Ceiling Fans.
7. Ceiling-Suspended Video Mounts.
Reference:
www.peerlessindustries.com/jumbotv_suspended.htm
8. Double-acting access.



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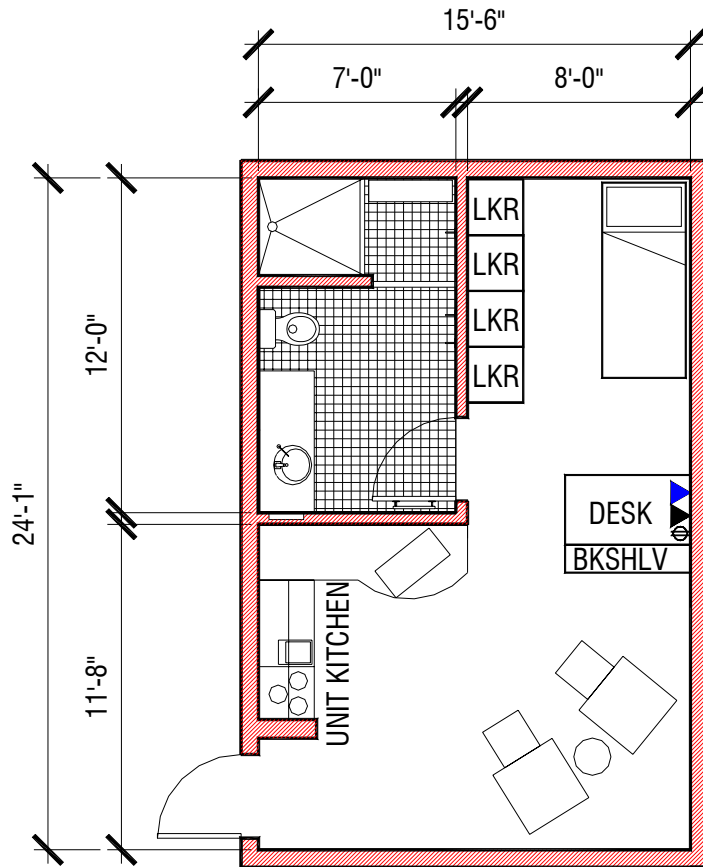
COMMON ROOMS



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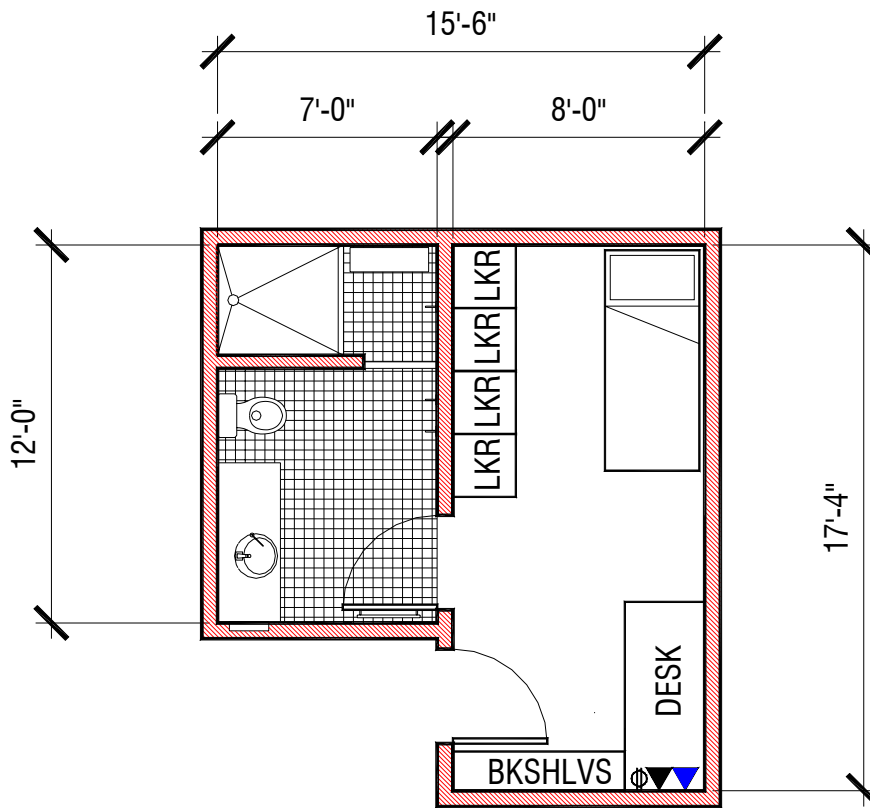
Sacramento Metropolitan Fire District
Facilities Design Criteria





BATTALION CHIEF'S QUARTERS

1. Single person Living Quarters with attached Bathroom.
2. Four Full-Sized Personnel Lockers to accommodate Three Shifts plus one additional.
3. Built-In Desk and Shelving Units, with power, phone, and data lines, and independent Night Lighting.
4. Platform Bed with Pull-Out Storage Drawer below.
5. Ceiling Fans over Bed and Sitting Area.
6. Full Bathroom with Shower.
7. Unit Kitchen with Refrigerator, Microwave, Burners, and Sink.
8. Sitting Area.



CAPTAIN'S QUARTERS

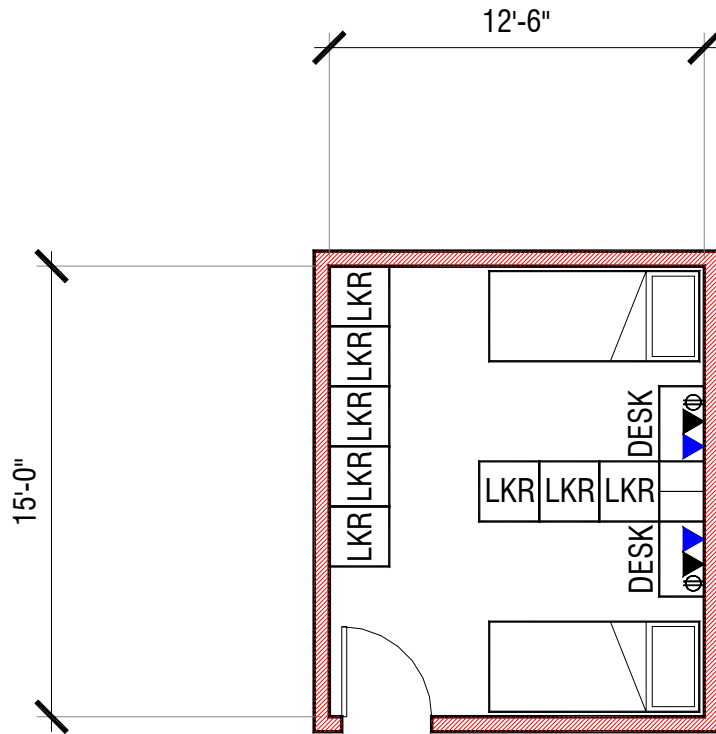
1. Single person Dormitory with attached Bathroom.
2. Four Full-Sized Personnel Lockers to accommodate Three Shifts plus one additional.
3. Built-In Desk and Shelving Units, with power, phone, and data lines, and independent Night Lighting.
4. Platform Bed with Pull-Out Storage Drawer below.
5. Ceiling Fan over Bed.
6. Full Bathroom with Shower.



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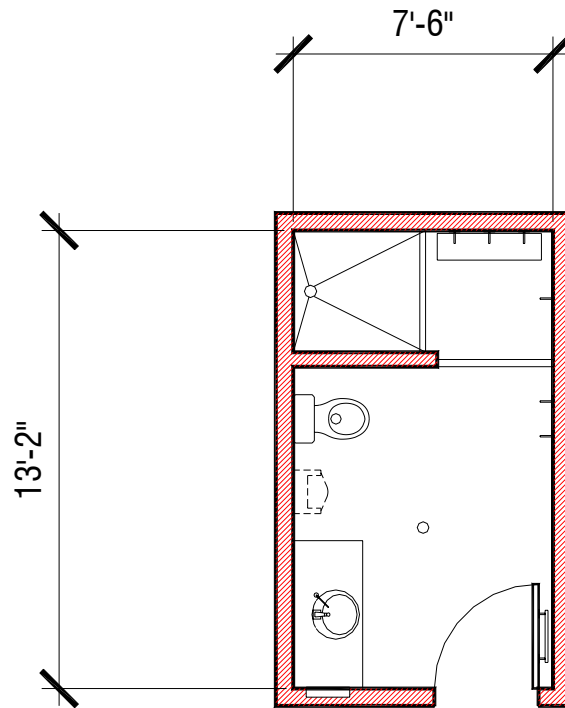
Sacramento Metropolitan Fire District
Facilities Design Criteria





DORMITORY

1. Two person Dormitory.
2. Eight Full-Sized Personnel Lockers to accommodate three shifts plus one additional per Bed.
3. Side Desk and Shelving adjacent to each bed, with power, phone, and data lines, and independent Night Lighting.
4. Ceiling Fans over each bed.
5. Platform Beds with pull-out Storage Drawers below.
6. Sound Insulated Construction.



STAFF BATHROOM

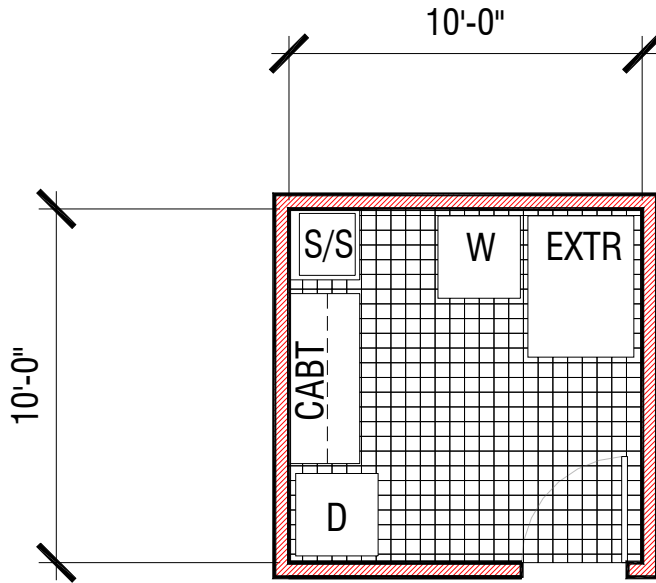
1. Unisex Bathroom for Firefighters.
2. Lavatory, Water Closet, Shower; optional Urinal.
3. Ceramic Tile Wall and Floor Finishes.
4. Recessed Shelf in Shower for toiletries.
5. Hot Water Hose Bibb and Floor Drain
6. Ratio 1 Bathroom per 2 Dormitory Rooms.



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LAUNDRY ROOM

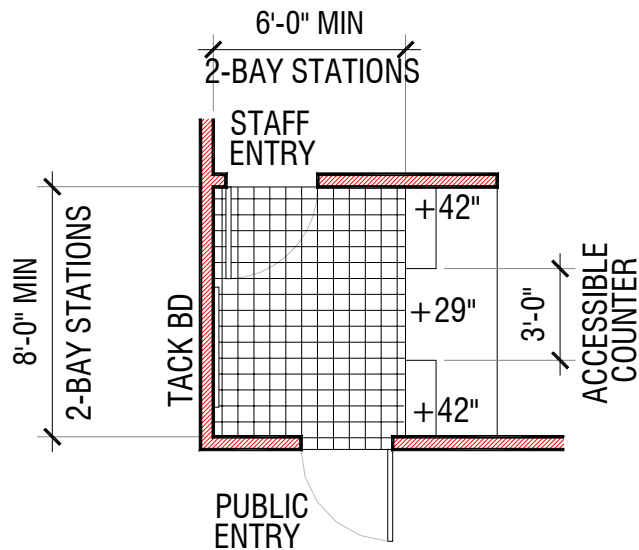
1. Ceramic Tile Floor and Base Finishes.
2. FRP Wall Finishes.
3. Hot Water Hose Bibb and Floor Drain.
4. 4" Concrete Housekeeping Pad at Extractor Unit.



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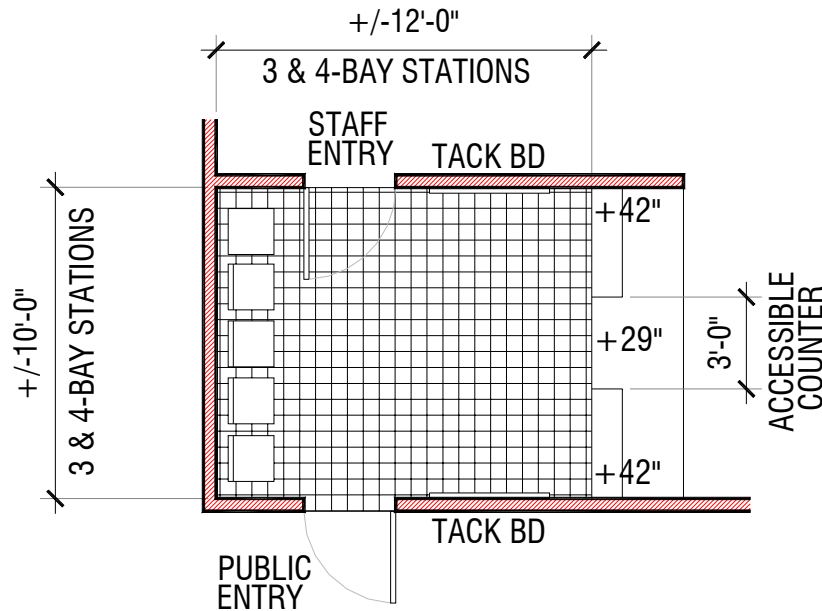
Sacramento Metropolitan Fire District
Facilities Design Criteria

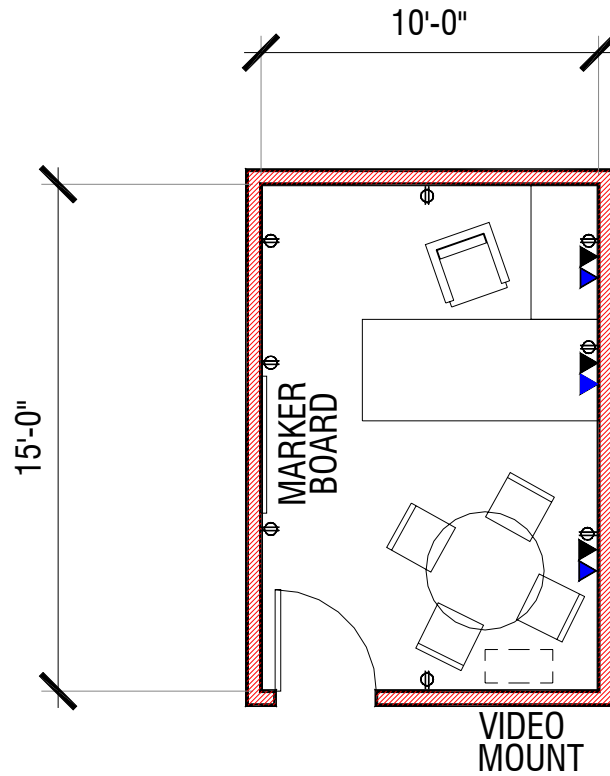




PUBLIC RECEPTION AREA

1. Contained Lobby Space with restricted access to Staff areas.
2. Built-in Accessible Reception Counter.
3. Tile Floor and Base.
4. Ceiling Fan.
5. Sound Insulated Construction.





BATTALION CHIEF'S OFFICE

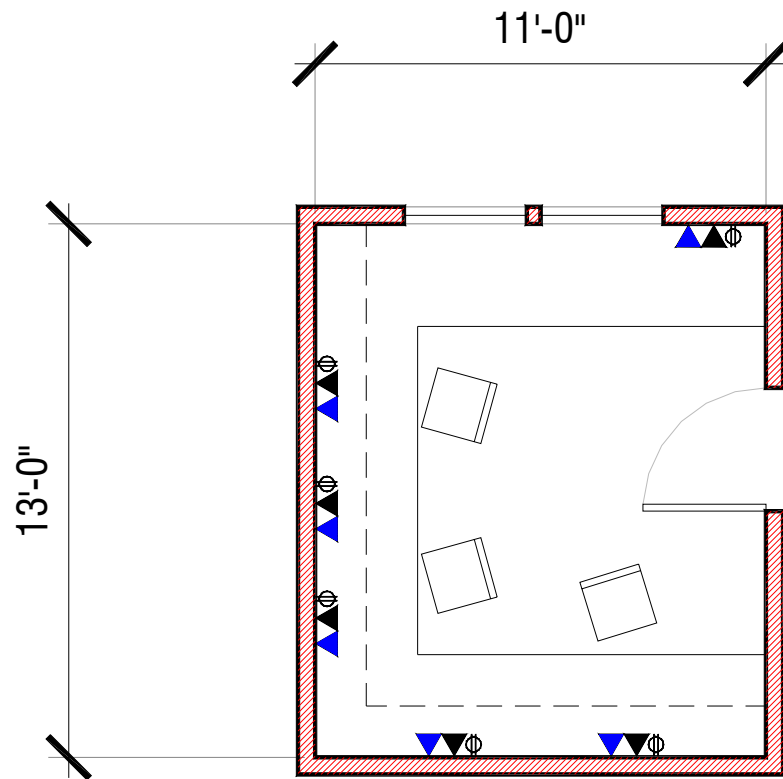
1. Desk, Credenza, Conference Table with chairs.
2. Power, Phone, and Data Outlets throughout as indicated.
3. Ceiling-Suspended Video Mounts.
Reference:
www.peerlessindustries.com/jumbotv_suspended.htm
4. Ceiling Fan.
5. Sound Insulated Construction.



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CAPTAIN'S OFFICE

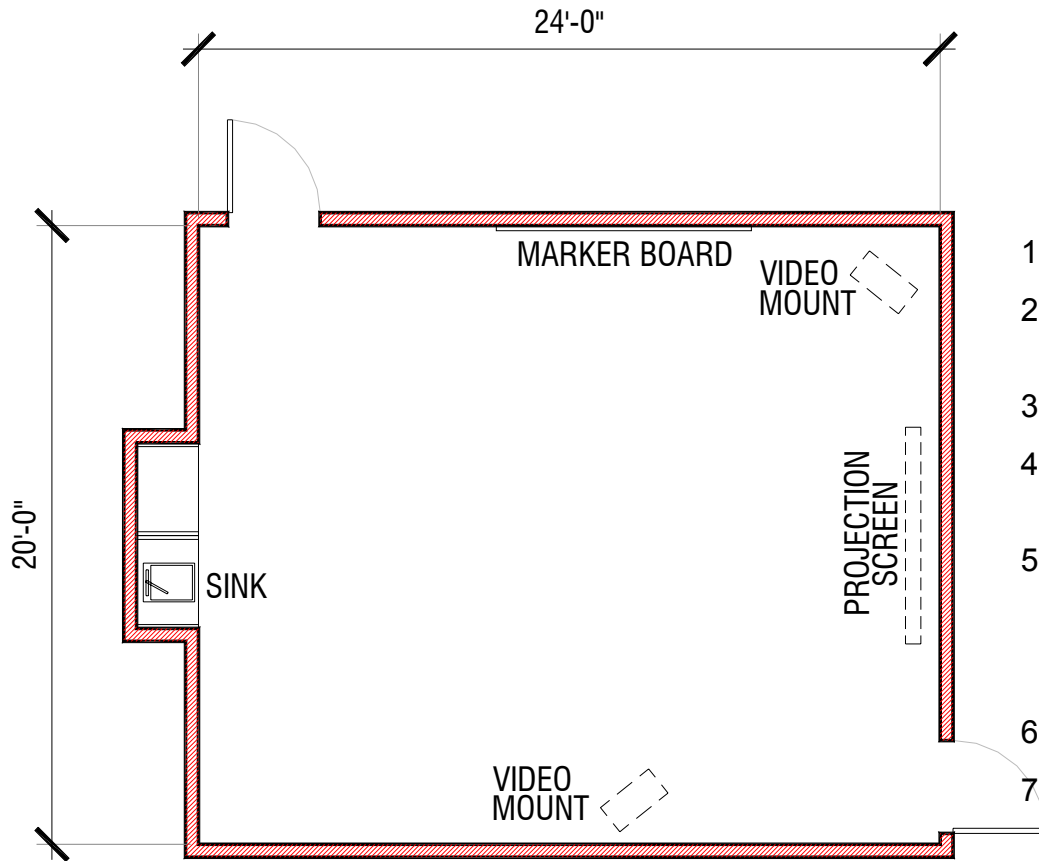
1. Built-in Counters with adjustable Keyboard Tray, and Upper Shelving.
2. Power, Phone, and Data Outlets throughout as indicated.
3. Sound Insulated Construction.
4. Interior Windows.



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COMMUNITY ROOM

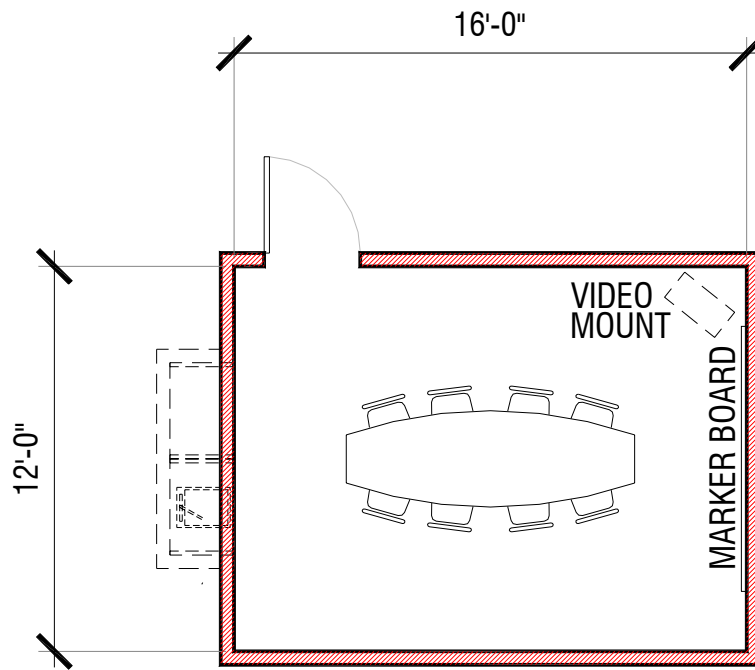
1. Separate Entrance for after-hours use.
2. Separation from Firefighter Living Quarters.
3. Built-in Cabinet with sink.
4. Built-in 7' x 7' Projection Screen, with power operation.
5. Ceiling-Suspended Video Mounts.
Reference:
www.peerlessindustries.com/jumbotv_suspended.htm
6. Ceiling Fans.
7. Sound Insulated Construction.



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CONFERENCE ROOM

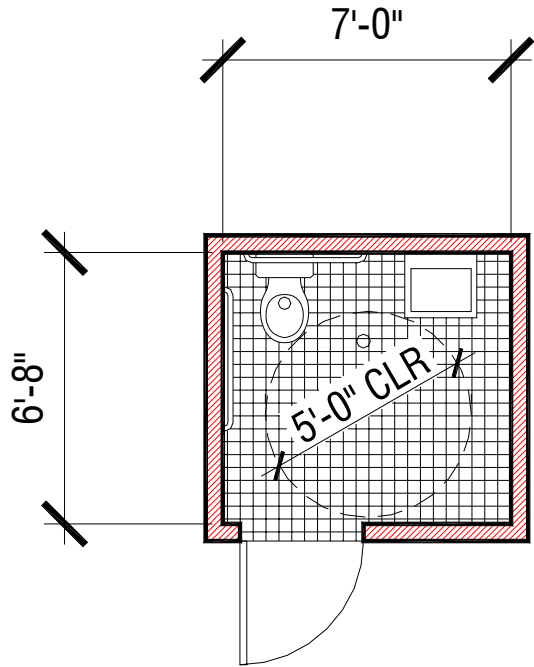
1. Ceiling-Suspended Video Mount.
2. Ceiling Fans.
3. Sound Insulated Construction.
4. Optional: Built-in Cabinet with sink.



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PUBLIC RESTROOM

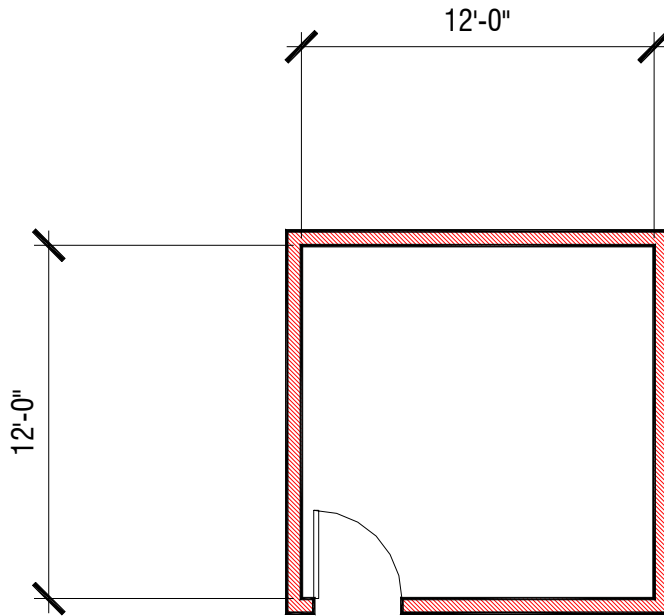
1. Single Accomodation Accessible Restroom for Public usage.
2. Lavatory, Water Closet.
3. Ceramic Tile Wall and Floor Finishes.
4. Accessibility Toilet Accessories.
5. Hot Water Hose Bibb and Floor Drain
6. Ratio 1 Restroom per sex.
7. ADA and Title 24 Accessibility Identification Signage.



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EQUIPMENT ROOM

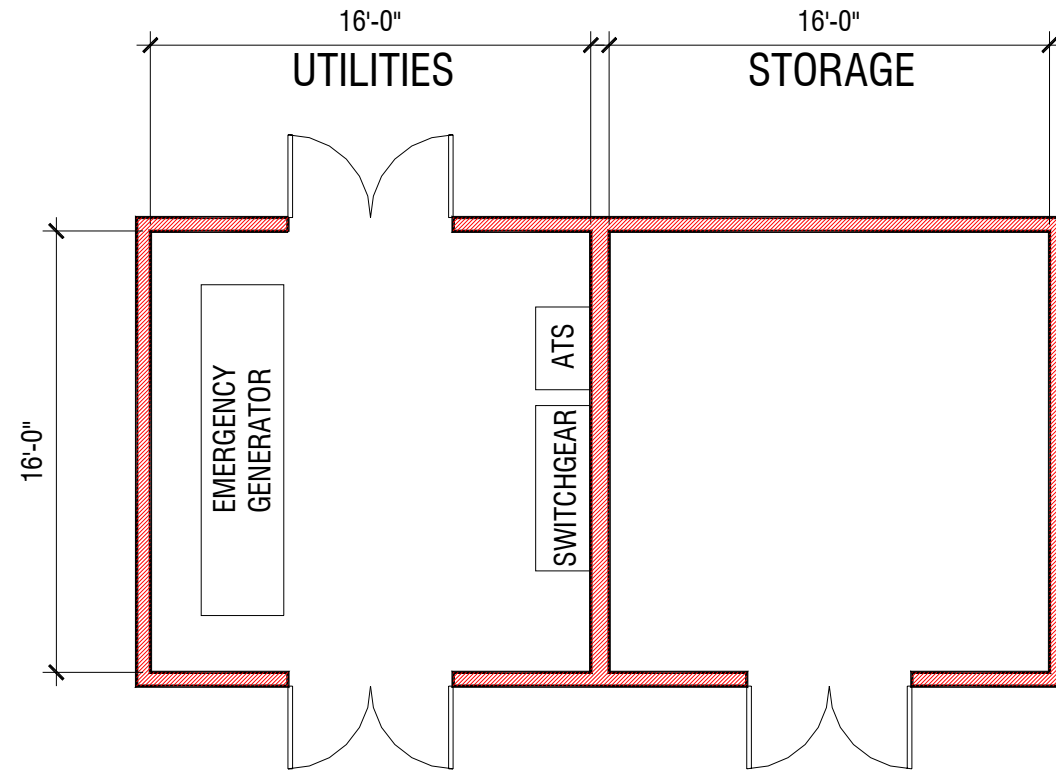
1. Conditioned Area for Telephone, Alarm, and Data Equipment.
2. Dedicated Electrical Outlets for equipment.
3. Centrally located to provide wiring raceway access to all critical facility areas, auxiliary buildings, and roof.



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UTILITIES/STORAGE OUT BUILDING

1. Accomodations for Emergency Generator, Main Switchgear Panels, and Automatic Transfer Switch.
2. Located as an Out Building to the Station.
3. Located away from Living Quarters.



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